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THE TIMES

No. 65,291 MONDAY JUNE 12 1995

THE UNIVERSITY OF JORDAN SERIALS DIVISION

'We are the anvil on which anger is beaten'

Police blame cultural gap for rioting

By Paul Wilkinson

SENIOR police officers yesterday blamed a widening cultural and generation gap within the Asian community for two nights of rioting and looting by youths in Bradford. They denied accusations that heavy-handed policing was the cause.

Norman Bettison, Assistant Chief Constable of West Yorkshire, said the rioters, aged between 12 and 20, did not appear to have any obvious cause to run rampage in the Manningham area. "I see a community tearing itself apart," he said, adding that the rioters were Bradford-born and bred and did not feel part of the Muslim community.

His officers were talking to youths and leaders and the picture emerging was a community at odds with itself. "The youths seem to be rising up as much against society and elders as against the police. The police are the anvil youth is beating out its frustration and anger on. Youth seems to be alienated from every concievable part of the community from which it is drawn," he said.

Faqir Mohammed, acting president of the Bradford Council of Mosques, condemned the violence but accused police of acting unreasonably in their dealings with the youths. He accused officers of assaulting an Asian woman in her home while in pursuit of her brother.

Keith Hellawell, Chief Constable of West Yorkshire, defended his officers' use of the new long-handled police baton, although he admitted:

A policewoman in riot gear faces stone throwers

"Maybe in the community some people believe that the police are being threatening by the use of that equipment".

Speaking on *The World at One* on BBC Radio, Mr Hellawell said: "What we are dealing with here is young men, Bradford-born, brought up and educated. They have lost in some way their ties with their old religion and their country, yet they feel themselves alienated within Western culture.

"Then you have this tremendous powderkeg within them. The frustration and anger which they vent on the police, they are also venting on their own community. That will only alienate them further".

Last night, a teenager who claimed to be one of the rioters said they had taken action against the police because of what he called "continuing harassment and verbal abuse.

"What happened on Friday night with that woman really got to us and made people very angry."

The police had hoped to head off trouble for the second night on Saturday by negotiating with a local MP and religious and ethnic leaders, but the youths returned to the streets in the Manningham area in greater numbers and appeared to be well organised. They also took the fight from their streets a mile into the city centre. Some estimates say up to 700 youths were on the rampage, although official police figures put the total at less than half that. The rioters picked out pubs, banks and shops bearing obviously caucasian names to attack with stones, sticks and in some cases, petrol bombs.

One Citroën dealer had seven vehicles burnt out on his forecourt. The Barclays Bank branch in John Street, less than half a mile from City Hall in Bradford's smart administrative and commercial centre, was fire-bombed.

At the height of the violence in the early hours of Sunday, there were more than 300 officers from across the county fighting running battles with rioters. Three police officers were treated for minor injures: two suffered burns and the third was hit on the head with a brick. Police made a total of 21 arrests over the two days.

Last night, as police reinforcements stood by in case of a third night of rioting, the violence was marked by smashed or boarded windows and dark scarring of the road where burning cars had been used as roadblocks. Police

Continued on page 3, col 1

Divided community, page 3

ROB ANDREW describes his last moment drop kick that brought England victory

Rob Andrew, after England beat Australia 25-22 in yesterday's World Cup clash. Picture: Stuart MacFarlane

We knew we had to dig deep and keep in touch

By Rob Andrew

I CANNOT recall a game more emotionally draining. It was not the hardest one physically in which I have played but the mental effort was huge: to lead by ten points, to have that clawed back, and then suffer the nip and tuck of penalty kicks by each side.

Many people might have thought the game was drifting away from us, but we knew we had to dig in and just keep in touch.

We had lost our way after such a wonderful start when we were so hungry; so precise in all we did. But we kept making our tackles and we stayed calm and all the time we had the immense encouragement of seeing the Australians making mistakes too, because of the pressure they were under.

Yet from the moment that Mike Catt struck such a beautiful penalty kick to touch on Australia's 22-metre line, I knew that a dropped goal was the best option. I think we all knew that when David Bishop, the referee, awarded the penalty in our own half; the scores were level — time was running out and it was an obvious opportunity.

As Dean Richards passed me running up to the lineout he said: "What do you need for the dropped goal?" I told him we needed to catch the ball and drive it, then see what the position was.

The idea was to make a bit more ground, perhaps move a little way into midfield, tie in the Australian back row then keep the head down, hit — and hope. It worked, and it earned England a place in the World Cup semi-finals.

Continued on page 2, col 4

Leading article, page 19
Sport, pages 25, 30, 31

Don't cares may win referendum

From Reuter in Rome

VOTER apathy threatened to nullify a vote in 12 referendums in Italy on Sunday, including three that could either help relaunch Silvio Berlusconi's political career or force him to dismantle his television empire.

Figures from the Interior Ministry showed that only 29 per cent of Italians had voted by mid-afternoon, raising the possibility that the 50 per cent legal minimum would not be reached.

The key referendum asked voters to repeal a law that allows an individual to own more than one national television station. If approved, Berlusconi, who was prime minister for seven months last year, would be forced to sell two of his three stations.

Berlusconi's future, page 9

Tory chairman demands self-control over perks in privatised companies

By Alice Thomson and Eric Reguly

JEREMY HANLEY, the Conservative Party chairman, warned executives in the privatised utilities yesterday that the Government could be forced to take further action unless they exercised "self-control" over their perks.

He rejected Labour's call for a ban on trading in share options pending a full inquiry into alleged abuses but told executives that they must pull their socks up before Sir Richard Greenbury's report into their pay is published.

His warning came after the Serious Fraud Office said it was considering an investigation into allegations that six directors of PowerGen, the privatised electricity generator, made £3.5 million by selling share options when they knew company profits were about to fall. The surveillance unit of the London Stock Exchange is said also to be examining the allegations.

The Observer claimed yesterday that the six cashed in the shares at an optimum price after they had been given a secret five-year plan forecasting unexpectedly poor profits because of growing competition from rival generators, such as Nuclear Electric. The PowerGen share price, which reached a high of 581p on February 28, 1994, fell by 70p in the two months after the directors, including Ed Wallis, the chief executive, Alf Roberts, John Remocks, David Dance, Roger Jump and Michael Reidy cashed in their options.

Last night PowerGen instructed its lawyers to prepare libel proceedings against the newspaper. A statement said that *The Observer*, "by misrepresentation, innuendo and omission has deliberately sought to smear PowerGen when the newspaper already had the facts that disproved its own allegations".

A PowerGen spokesman denied that the five-year plan had influenced the directors' decision to cash in their options at an opportune time. He said the company routinely used optimistic and pessimistic outlines to predict earnings. The draft that had been received by *The Observer* apparently set out the worst-case option.

Sir Colin Southgate, PowerGen's chairman, is known to have advised the directors against cashing in their options because of the publicity it might create, but could not prevent them from doing so.

Mr Hanley said yesterday that, if there had been insider trading, the process of law should be allowed to take its course, adding: "I resent anything that takes away from the success of the privatisation programme."

The party chairman gave his full backing to the Greenbury committee, which "understood the talents needed to run a very large company", but added: "If the

Continued on page 2, col 7

Elsewhere, a bad sports day

While English sports fans were celebrating victory in South Africa, those at home were contemplating defeat. West Indies won the first Test at Headingley by nine wickets and England's footballers lost 3-1 to Brazil. Scotland were knocked out the the Rugby World Cup 48-30 by New Zealand ... Pages 25, 27, 30, 31

Clarke plans to aid house sales

Kenneth Clarke is expected to try to revive the housing market by giving extra tax relief to first-time buyers. A plan to give new homeowners tax relief at 25 per cent for five years is backed by a large number of senior ministers as a way of getting the property market moving..... Page 2

Met Office calls for return of the amateur enthusiast

By Marianne Curphey

THE SUPPLY Of weather reports from around Britain's coast is drying up and the Meterological Office is asking for more amateur weather watchers to volunteer.

Once a dedicated band of enthusiasts patiently recorded data on rainfall, hours of sunshine and daily temperatures — the figures which appear on the back page of *The Times* and omission of which brings us many complaints. Now lighthouses are becoming automated, experienced staff at coastguard stations and airfields are moving on, and amateur observers are retiring.

"We do need extra help at many sites around the country and not just in the more far-flung regions," said Andy Yeatman of the Met Office. "We no longer have cover at Needles in the Isle of Wight, the Isles of Scilly, Lundy, Plymouth, Blackpool, and much of the South Coast including Worthing and Brighton." Many local councils say they have no time to supply figures - even though they also complain when their towns do not appear in the "Around Britain" figures.

The Met Office's daily figures are compiled by data from about 30 full-time observatories round the country; a number of automated weather stations; and up to 70 lighthouse keepers and coastguards. Thousands more "climatological observers" — enthusiastic local amateurs — record rainfall and temperature data.

One of them, Bill Foggitt, 82, has been recording rainfall figures since 1967 at his home in Thirsk, Yorkshire. "It's a marvellous, absorbing hobby and it gets me out of bed every morning," he said. "I cannot imagine life without it."

George Nicholson, 66, who has been gathering data for the past 40 years from his home in Teddington, south-west London, believes there has been a reaction against the Met Office's growing commercialism and reliance on high-tech forecasting equipment. He said: "It's a gift, which very few people have. It's like music or religion and you cannot learn it however many books you read. Weather is too complex to predict by computer programme.

"I stopped supplying the Met Office when they changed the measurements from inches to millimetres because I did not like the way they were doing things."

Volunteer weather observers can write to the Meterological Office, Dept O-1, London Road, Bracknell, Berks, RG12 2SZ.

Forecast, page 24

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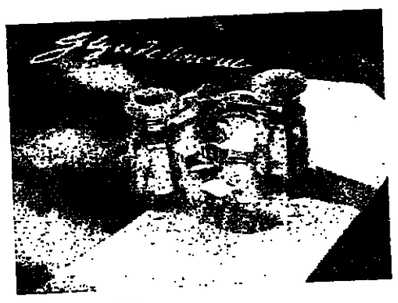
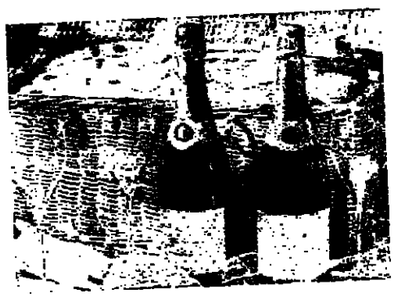
24

9 770140 046510

TV & RADIO 46, 47
WEATHER 24
CROSSWORDS 24, 48
LETTERS 19
OBITUARIES 21
WILLIAM REES-MOGG 18
ARTS 14, 15
CHESS & BRIDGE 36
COURT & SOCIAL 20
BUSINESS 43-46, 48
MIND AND MATTER 16
EDUCATION 39



Opera glasses



Opera bottles

Garsington Opera	11 June - 9 July
Royal Ascot	20-23 June
The Veuve Clicquot Gold Cup Polo, Cowdray Park	25 June - 16 July
Wimbledon Tennis Championships	26 June - 9 July
Henley Festival of Music and the Arts	5-8 July
3rd Cornhill Test Match, Edgbaston	6-11 July
124th Open Golf Championship, St. Andrews	20-23 July
Glorious Goodwood	25-29 July
Cowes Week, Isle of Wight	29 July - 5 August
Burghley Horse Trials, Stamford	31 August - 3 September

Veuve Clicquot
Champagne of The Season

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Ministers press Clarke to aid first-time homebuyers

By Philip Webster

KENNETH CLARKE is expected by Cabinet ministers to try to revive the housing market by giving extra tax relief to first-time buyers. A plan to give new homeowners tax relief at 25 per cent for five years is backed by a large number of senior ministers and is one of the Chancellor's main options for boosting the property market.

Treasury ministers believe that encouraging first-time buyers would help to boost property prices. Higher prices are needed if the significant political problem of negative equity is to be be tackled. Mr Clarke is understood to be opposed to measures favoured by some Tory backbenchers, who want direct help to be given to people with negative equity. Ministers fear that it would lead to administrative difficulties and disputes over the precise values of properties. Tax relief on the first £30,000 of a mortgage has been cut from 25 per cent to 15 per cent over the past two years. The Treasury wants to remove tax relief altogether, but ministers accept that, with *the housing market stagnant*, it would be difficult to proceed in that direction. The idea of reversing it for first-time buyers has been forced on ministers because of demands for action from Tory MPs and *party workers*.

The Halifax Building Society calculates that raising tax relief from 15 to 25 per cent would save the typical first-time buyer about £20 a month on a repayment mortgage. On average, a buyer with a £50,000 loan would see the monthly payment drop from £370.76 to £349.89. A buyer with a £60,000 mortgage would pay *£430.30 a month instead of £451.18*.

Mr Clarke is under pressure from within the Cabinet to help key groups of potential Tory supporters such as homeowners, pensioners and small businesses in his November Budget. Ministers argue that such a strategy would be preferable to across-the-board cuts in income tax. First-time homebuyers would receive tax relief at 25 per cent for the first five years, falling to 15 per cent thereafter, under the plan being studied. However, many on the Tory Right hope that the Budget of 1996 will be used for straight cuts in income tax.

Measures to help the housing market have been considered by Mr Clarke and his officials and advisers during preliminary meetings on the Budget at Dorneywood, Buckinghamshire, over the weekend. The Cabinet meeting on public spending at the end of the month seems certain to take another tough approach for next year in the hope of giving Mr Clarke freedom to cut taxes in the approach to the general election.

Right attacks NHS reforms

By Jeremy Laurance, Health Correspondent

A RIGHT-WING think-tank ferociously attacks the Government's health reforms today in a report that will add to Virginia Bottomley's troubles as she struggles to keep her post as Health Secretary.

The Institute of Economic Affairs, a champion of free-market solutions to social problems, argues in a collection of essays that commercialism has been brought into the health service without consumer power being increased. It blames politicians, managers and consultants. Some contributors hanker for the old-style NHS; others advocate increased privatisation.

In *Patients or Customers: Are the NHS reforms working?*, Geoffrey Glazer, senior consultant surgeon at St Mary's Hospital, Paddington, complains of the "commercial fever overtaking old professional attitudes". He says: "Patients are seen as business opportunities and attempts are made by marketing departments to lure [them] from one hospital to another." He blames managerial cost-cutting for the increasing use of untrained staff and the employment of "doctors of doubtful ability" to meet targets for reducing waiting lists.

Sir Reginald Murley, editor of the report and former president of the Royal College of Surgeons, laments the loss of flexibility in the NHS that allowed doctors to refer patients to any hospital: "The patient is following the money rather than the money the patient."

GARRY TROTTER

Colin Southgate

PowerGen

Continued from page 1

Prime Minister says we need to legislate after Greenbury, then we certainly will. Ahead of the Greenbury committee some self-denying ordinances would be desirable."

The Greenbury report, to be published next month, is likely to suggest that British bosses should have to wait up to 18 months for share options in future privatisations or flotations and that they must hold them for at least a year before cashing them in. The committee is also likely to recommend that share options be offered to directors only after a cooling-off period to allow the price to settle.

But Gordon Brown, the Shadow Chancellor, said yesterday that the committee would not go far enough, adding: "This is a privatised utility scandal too far." He called for legislation to end the *tax privileges on share options* so that they were treated as income.

"All of us as consumers are paying more money because of the monopoly position they enjoy and the boardroom excesses that have taken place. The public now wants action," he said on the BBC programme *On The Record*. "We are getting to the stage where we find over £100 million worth of executive shares going to about 150 executives. There should be a halt in all trading in executive share options until a full inquiry actually exposes what has been going on in the privatised utilities."

NEWS IN BRIEF

Unison joins £4.15 minimum wage call

Britain's biggest union, Unison, of public service workers, has defied the Labour leadership and joined the TGWU transport workers and GMB general union in calling for a national minimum wage of £4.15 an hour. TGWU leaders are to table a resolution for Labour's annual conference calling for a commitment to £4.15 an hour. Unison's move means that union votes against Mr Blair are mounting.

Meanwhile, Labour's National Policy Forum endorsed policy papers on the economy, health and crime.

Lords challenge

A last attempt will be made by senior legal figures in the House of Lords today to stop the Government's proposals for "no win, no fee" litigation. Lord Ackner, the law lord, has tabled amendments to the Lord Chancellor's proposals, which he says could exploit clients. The proposals will enable lawyers to take on cases for nothing but charge up to 100 per cent of their normal fee if they win.

Clinton's visit

Dates proposed for President Clinton's visit to Britain and Ireland have been released by the White House as November 29 until December 2, with stops in Dublin, Belfast and London. The dates have not been confirmed by Downing Street. By not committing himself to visit Ulster, Mr Clinton and his advisers hope to keep pressure on the IRA to maintain the ceasefire.

Veterans protest

Veterans' organisations and former prisoners of war demanded yesterday that a prayer for reconciliation with Japan be removed from a commemoration service to be held in the grounds of Buckingham Palace to mark VJ-Day. Survivors of PoW camps said the Japanese had never apologised for their treatment of prisoners and have removed all mentions of war crimes from text books.

Hill climber dies

One of 4,000 volunteers who set out on Saturday to climb all 277 Munros, Scottish mountains over 3,000ft, died after a suspected heart attack while climbing in Glen Affric, organisers said yesterday. He was named as Michael Beaton, 45, a forester from Selkirk in the Borders. The event was expected to raise £150,000 for WaterAid, a charity that funds water projects in Africa and Asia.

Record winner

One ticket holder won the National Lottery jackpot of £22,590,829, the country's biggest ever prize, on Saturday night. It was not known last night whether the winning ticket was held by an individual or a syndicate. Six other ticketholders won £628,947 after matching five numbers plus the bonus ball, and 535 ticketholders won £4,408 for matching five balls.

Winning numbers, page 24

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Thatcher says Major acted like bossy headmaster over rebels

By Arthur Leathley, Political Correspondent

SOME of Baroness Thatcher's *most wide-ranging criticisms* of John Major's Government are unleashed today. She demands fundamental policy changes on taxation and domestic issues to win support.

In some of the most personal remarks she has made publicly about her successor's leadership, Lady Thatcher accuses the Prime Minister and senior colleagues of behaving like an "overpowering headmaster" in disciplining Tory backbenchers. The former Prime Minister goes well beyond her previous criticisms of the Government's record on Europe and talks about the reasons for the Conservatives' poor standing in the polls.

She reveals that she disagreed fundamentally with the decision to withdraw the Conservative whip from eight MPs who failed to back the Government over Britain's European budget contribution. In a 50-minute television interview to be broadcast to*night to mark publication of* the second volume of her memoirs, she says that withdrawal of the whip was "absurd" and that the rebels should have been accorded respect even if they did not support the Government.

"Really, I don't like it when [the Government] act like an overpowering headmaster. It's no good. It won't do ... each of these [rebels] has been elected by their constituents," she says on BBC1's *Thatcher: The Path to Power and Beyond*. Reminded by Sir David Frost that she used to be known as a headmistress while Prime Minister, Lady Thatcher replies: "I never took the whip away. Headmistresses, perhaps, have a certain wisdom and common sense."

In her most dismissive comment of the way she believes her political legacy has been eroded, she underlines her commitment to the issues of Europe, the rule of law, Amer*ica, strong defence and parlia*mentary traditions. "I didn't think we'd ever let those go to the extent that we are."

Lady Thatcher talks at length about the reasons for Tory unpopularity, which she attributes to the Government "not being Conservative enough" and failing to offer tax incentives, particularly mortgage relief. She calls for tax on the family to be reduced and criticises the cut in the married man's allowance.

She criticises the Government's spending record, claiming that "public expenditure has gone up higher than I would have had it". However, she tells Tories contemplating a leadership challenge this autumn that this would be "destabilising" and urges the party to "pull together". Looking back on the European issue which led to her downfall in 1990, she draws a distinction between her work in Europe and that of Mr Major. "I was turned out because I said to Europe 'No, no, no'. That 'No, no, no' was turned into 'Yes, yes'. Two yeses, not three — he got the social charter out and he's reserved his position on the single currency."

☐ An attempt will be made this week to close the rift between Mr Major and Norman Lamont, the former Chancellor, who is recognised by senior Conservatives as the backbench MP most likely to mount an effective leadership challenge in November.

Mr Lamont will join members of the Fresh Start Group of Euro-sceptic MPs in pressing Mr Major to make a statement ruling out a single currency and to seize back powers ceded to Brussels. Senior Conservatives said yesterday that the Prime Minister would take "any opportunity to encourage Mr Lamont not to rock the boat".

Victory: and now for the All Blacks

Continued from page 1

But for it to work, so many others had to play their part. Catt, for instance. I thought he was outstanding and a couple of times I had given him the ball to find touch, partly to bring him into the game and partly because all week he had been kicking so well in training.

It was a wonderful touch he found. If he had missed, it would have been awful because Australia would have had the chance to run the ball back at us; if he had found a shorter touch it would have made the dropped goal that much more difficult. But he hit a pearler, all of 50 metres, which brought Brian Moore and Martin Bayfield into the picture.

Martin made a wonderful leap at the lineout and the forwards piled in behind, produced the ball and all I could hope was that the kick would go over. It did, and there was pandemonium: no-one knew whether it was the end, there were people on the pitch, the security people too, some of our boys were starting a lap of honour and the Australians were kicking off in a last-ditch attempt to retrieve the position.

That it was the goal which knocked out the world champions makes it all the sweeter — though we have to remember that we have passed only the quarter-finals: our objective when we came to South Africa was to become world champions, and two more mountains still lie in wait. I have had some wonderful moments with England, with the 1991 team and even in the brief history of this present team. Had we lost yesterday it would have been no disgrace: Australia are a great side and this was a wonderful game of rugby.

The other ingredient was the crowd: the support at Newlands made it seem like Twickenham. I hope they can afford to come back next Sunday — when we play New Zealand.

Leading article, page 19
Sport, pages 25, 30, 31

هكذا من الأصل

Western habits clash with traditional Asian values

ASADOUR GUZELIAN

STEVE FORREST

Burning tyres form a road block during Saturday's riots in Manningham, Bradford. Right, a young man is led away by police. Officers were bombarded with petrol bombs, dozens of windows were smashed and cars were burnt out

By Richard Ford

TWO police officers who stopped youths playing football in the street triggered two nights of rioting involving gangs of up to 400 Asian youths in the Manningham district of Bradford.

Although it was a mundane police task, it quickly led to disturbances, fuelled by festering tensions among young British-born Asians and reflecting a generation gap within the Asian community.

The area was already tense after the activities of groups of Asian men trying to rid the area of

Elders don't have a clue how community lives, says teenager

prostitutes by approaching women and kerb crawlers. Residents have been infuriated by an influx of kerb crawlers since the district was featured in the television series *Band of Gold*. One community leader said: "People feel the council and police are not doing enough." He also said the relationship between the police and community had declined with allegations that some officers had used racist language when dealing with young Pakistani men.

For many people the rioting will be alarming, given the general assumption that, of all the ethnic minority groups in Britain, the Asian is the most stable, hardworking and disciplined. But within British Asian communities it has been clear for some years that the social, cultural and sexual mores that controlled the lives of an older generation were being undermined by Western values.

The traditional extended family, integral to the life of first-generation Asians, is slowly giving way to the immediate family with young men enjoying a social life that centres on friends from school and work rather than family. While the first generation Pakistanis in places such as Manningham emphasise the importance of their Muslim religion in providing a moral structure to their lives, the second generation is more relaxed about its faith, alcohol and sex.

All these factors have created a widening gulf between British-born Asian youths and their elders for whom their way of life, with their interest in Bhangra music and contemporary fashion, is totally alien. Keith Hellawell, Chief Constable of West Yorkshire, said: "I am sure all the cultural and religious leaders would say that they have been worried for the last ten years that the younger generation do not follow their teachings. They felt that they had great difficulty controlling them."

The gulf between the generations is also highlighted in the expectations of the Manningham youngsters who were born, brought up and educated in Britain. While their parents and grandparents were willing to accept racism, deprivation and poor job prospects, the second generation is unwilling to settle for the quiet life. One Asian youth said yesterday: "We are not the Asians who lived here 20 years ago. We are not our parents. The elders don't have a clue how the community lives."

In the district, unemployment is up to 60 per cent, community leaders says there are high levels of deprivation and that, although the Asian community puts a high value on education, it remains difficult for youngsters with qualifications to find work. Many believe that they are not really accepted as British citizens even though they have been born and educated in Britain.

Max Madden, whose Bradford West constituency saw the rioting, said: "They see themselves as British citizens and they are British citizens but they think they are going nowhere. They believe they are unwelcome to a very great extent in Britain and feel very angry and concerned."

Generation gap, page 1

Police 'heavy-handed'

Contined from page 1

kept a low profile: there was no sign of uniformed officers.

Mr Bettison said an alleged assault on a mother and baby by two officers on Friday evening had been investigated and after speaking to those involved, there was no evidence to back it up. He said: "The police do not want to take on the community or any part of it, we just want to police it."

The people of Manningham accused police of "heavy-handed" tactics over the weekend. They were already concerned about the failure to suppress prostitution in Bradford's red light district of Lumb Lane in the heart of their district.

The rioting on Friday began after two officers tried to move on teenagers playing football on Garfield Avenue. When they refused, two were arrested but one slipped into his home nearby.

In the subsequent pursuit his sister, who was cradling a baby, was allegedly hit and her clothing torn by police. As a crowd gathered, demanding the youths' release, ten more people were arrested and an Asian reportedly had his foot run over. A crowd about 60-strong then turned on shops in Oak Lane in the centre of Manningham and the violence continued sporadically until 4am.

On Saturday afternoon, Mr Bettison met a delegation including Max Madden, the Bradford West Labour MP; Faqir Mohammed; city councillors including Ruth Billheimer, who sits on the Police Authority; and two representatives of the youths.

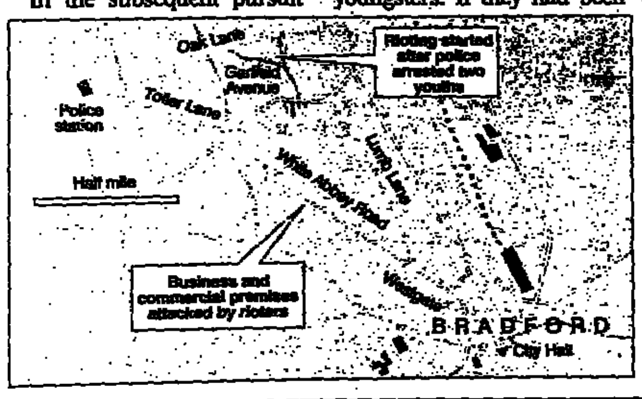
The latter demanded the release of those arrested and an inquiry into the police action. Mr Mohammed said "The demands were sensible, but they were not met by police and this angered the youngsters. If they had been met then the youngsters would have been happy."

On Saturday night police with riot equipment were on stand-by. At about 6.30pm youths began stoning the Toller Lane police station where the detainees were held, using material from a wall they had pushed over. Fighting spread to Old Lane where petrol bombs were thrown at police and several cars set alight.

Riot police with shields and batons broke up the mob but small groups headed towards the city centre smashing windows and throwing petrol bombs as they went. Calm only returned with daylight at about 4.30am.

One of the rioters' victims, Judith Dale, demanded tougher police action. Her shop, Select Curtains, near the city centre, suffered £2,000 damage. She said: "The police are not being hard enough. You meet force with force. You feel sorry for the police trying to do their work. It is amazing that there wasn't anyone killed or more people injured."

Mr Madden said "The Asians have genuine grievances, but we cannot condone criminal damage against property. They say they have been assaulted and verbally abused by police officers. There is a deep anger within the local community and concerns at the behaviour of police officers on Friday night. The situation remains tense and volatile."



Scot revives ancient tale of forebear's Atlantic crossing

By Alan Hamilton

THE Scots, whose genius gave the world television, telephones, waterproof raincoats and the bicycle, also apparently discovered America 94 years before that upstart Columbus.

Evidence that the obscure Scottish nobleman Prince Henry St Clair sailed from Orkney to Newport, Rhode Island, in 1398 may be slender, but there are sufficient shreds to have persuaded a group of believers to build a replica long-ship and attempt a recreation of the voyage on its 600th anniversary in three years' time.

Baron St Clair Bonde, a direct descendant of Prince Henry who owns an estate near Elie, Fife, and who is leading the mission to prove that voyage took place, said yesterday that it was about time his ancestor was given credit for an exploration thought to have consisted of 12 ships and 600 sailors. "I can only go by the evidence and I find it very convincing," the baron said, adding that he needed £250,000 with which to build the long-ship.

The Scottish claim rests on a few disparate fragments of historical uncertainty. Carvings in Rosslyn Chapel, built on Prince Henry's estate near Edinburgh in 1450, include depictions of vegetation found only in America at that time. An ancient stone in Westford, Massachusetts, bears a carving remarkably like the clan coat of arms of Sir James Gunn, thought to have been Prince Henry's aide on the voyage.

Columbus: challenge

A cannon found buried in the harbour mud of Louisbourg, Cape Breton Island, is cast in a style that pre-dates Columbus, and appears to be Venetian, as were many of Prince Henry's crew. An ancient tower in Newport is said have been built in a manner prevalent in Orkney long before Columbus set sail.

Baron St Clair Bonde also sets much store by the Zeno Narrative, a Venetian manuscript written in 1558 that tells of the exploits of two brothers, one of whom was navigator on a voyage to America led by a St Clair. The manuscript contains a map, recently authenticated by the US Air Force, which appears to show a transatlantic voyage from Scotland.

Andrew Sinclair, a Cambridge history don, is one of the few academic historians to have lent any weight to the theory. "I was rather sceptical at first, but now I am very confident that Henry St Clair got to North America before Columbus." Scandinavians, naturally, will claim that their man Leif Eriksson got there long before either of them, while there are even claims that the Romans discovered Brazil.

Those counter-claims do not greatly trouble the Scots, who are concerned only that no Englishman has claimed the discovery. There is little surprise north of the border at suggestions that, when Prince Henry returned to these shores in 1400, he was murdered by jealous English nobles.

After their 48-30 defeat at the hands of the All Blacks yesterday, the Scots may be wishing that Captain James Cook, another Englishman, had never bothered to discover New Zealand.

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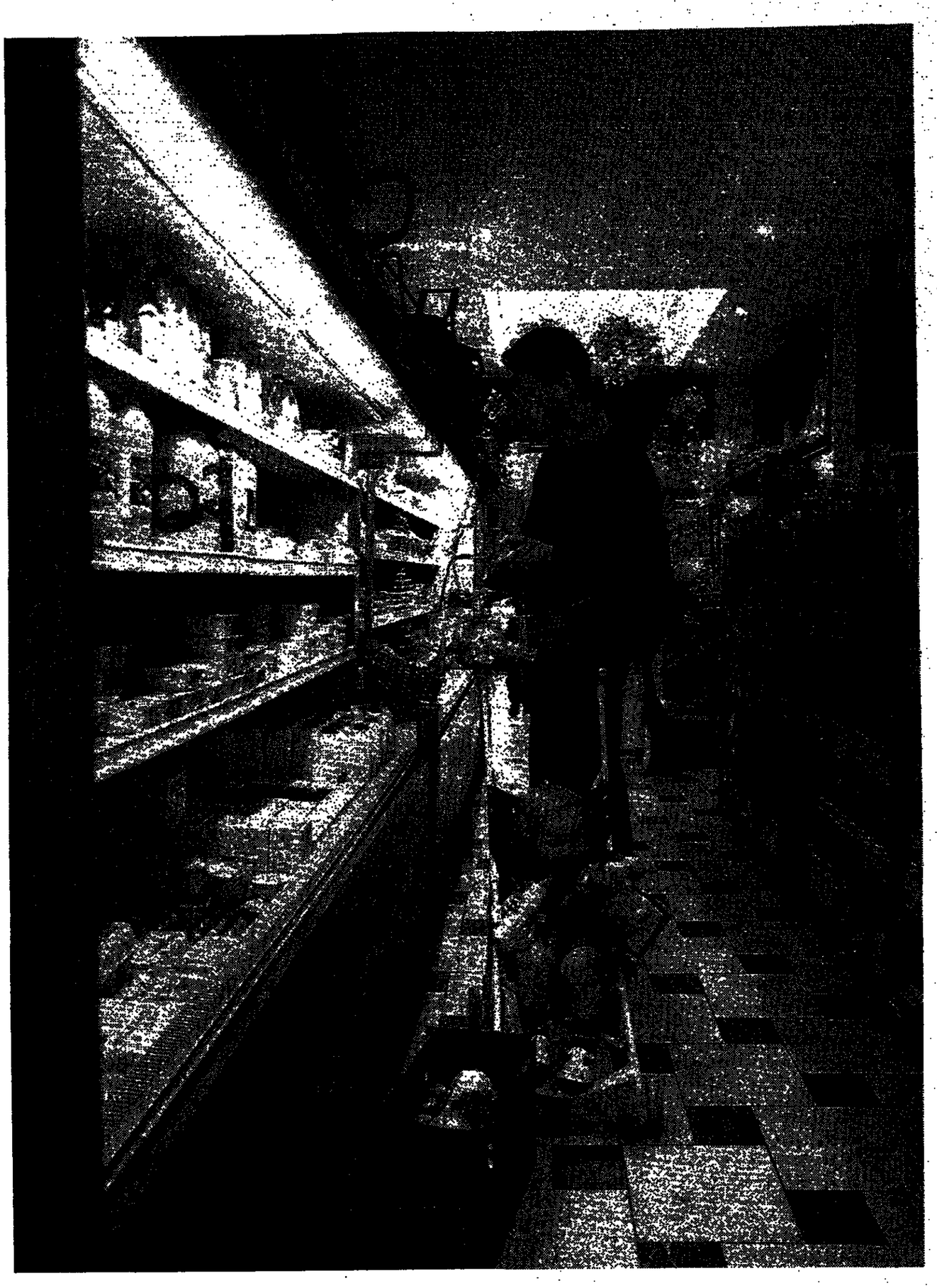

Are pensions totally wrong in today's society ?

For our parents' generation, a job was a 'job for life'. These days it seems less and less the case. With a changeable economy, jobs are far less secure than they were 20 years ago, and many employers now prefer the flexibility of contract workers to a permanent workforce.

"In the future people will change jobs many times, with intervening periods of unemployment."
Jim Lester, MP

Employees' attitudes are changing too. People are now less inclined to work for forty consecutive years, and some people are even electing to take time away from work, unpaid. If you include those women (now 48% of the workforce) who stop working temporarily to have children, you begin to see why many of us will experience a period of unemployment at some point in our working lives.

The trouble is that pensions were not designed with this in mind, and with some pensions you will be heavily charged if you stop your contributions. At a time when flexibility is becoming more and more important, personal pensions are starting to feel terribly rigid and out of step.

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'You can't expect the State to provide'

Parents warned to insure against cost of Oxford degree

By John O'Leary
Education Editor

STUDENTS from poor families are being priced out of an Oxford education, a college treasurer has warned parents in a letter that suggested families take out insurance policies to pay for their children's degrees.

Jane Hands, retiring treasurer of Somerville College, has told parents they should be aware of the financial commitment involved in studying at Oxford, adding to the controversy over the university's rent rises.

Miss Hands said: "Government assistance in the form of a grant or loan no longer provides sufficient funds to support an undergraduate in Oxford. Parents have to learn they must take out an insurance policy when the child is two. It's tough, very tough. But you can't expect the State to provide; parents must get that into their heads."

The concept brought instant condemnation from Labour. The party's education spokesman, Bryan Davies, said: "This would send higher education back into the dark ages, when getting to university depended on who your parents were."

Students throughout higher education have been hit by the Government's three-year phased reduction in grants. The National Union of Students has predicted that drop-out rates will rise and those from poor families will be denied a chance of university.

Attention has centred on Oxford because several colleges have decided to raise rents by up to a third. Students have reacted with rent strikes, claiming that Oxford will revert to the image of *Brideshead Revisited* if the increases go through. Hopi Sen, Oxford's student union president, said: "All our evidence shows that debt and hardship are increasing year by year. Rent rises will add to the problem, which stems from the Government holding down grants."

In a separate development, admissions tutors at Oxford have agreed not to use the new GCSE award for high-flyers to preselect students, after schools raised doubts about the consistency with which the starred grades were allocated.

Administrators and dons discussing a replacement for the Oxford Entrance Examination are anxious not to place further obstacles in the way of students. Applicants are likely to face short tests when they attend college interviews, but schools have been reassured that the controversial "A stars" will not assume greater importance in the process.

More than 100,000 starred A grades were awarded last year, when the system began. But the chances of achieving the top grade varied widely between subjects and there were some differences between the six examination boards. More than 44 per cent of the 1,200 pupils taking Greek were awarded the top grade, compared with fewer than 1 per cent in social science. There were 8.9 per cent A stars in physics, compared with 1.8 per cent in English.

Although there was little variation between the boards in the 2.9 per cent overall average for A stars, there were significant differences in subjects. The Southern Examining Group awarded twice as many starred grades as the London board in English.

Jane Minto, Oxford's senior admissions officer, said: "Schools are concerned that if you have a lot of highly qualified applicants, as we do, you might use the number of A stars as a quick method of selection. We have always tried to look behind the bare results."

Education, page 39

JAMES MORGAN

The calm before the storm expected at the annual meeting of the Oxford and Cambridge University Club tonight

Oxbridge clubmen clash over women

By Ben Preston

CAMPAIGNERS seeking equal treatment for women in London's clubland will tonight demand the resignation of the committee of the Oxford and Cambridge University Club, whose members have steadfastly rejected calls to allow women full membership.

Supporters of the *status quo* have tabled a rival motion for tonight's meeting, praising the committee.

The impending clash follows five months of turmoil at the historic Pall Mall club, triggered by David Butler, the political scientist who, after 43 years' membership, announced his resignation in *The Times*. Sixty-nine heads of Oxbridge colleges resigned *en masse* in February in protest at what they said was the offensive treatment of women.

Members will tonight debate a motion that the committee has failed to act in the long term best interests of the club. It says the committtee "failed to foresee or was indifferent to the massive adverse publicity and the damage to the club's traditional links to the universities of Oxford and Cambridge", and failed to acknowledge the need for compromise.

The campaigners for change, however, failed to submit a motion seeking rule changes to the constitution in time. Instead, they plan to challenge the five-year freeze on discussion of constitutional issues later this year. Under present rules, the campaigners are blocked from raising the issue of women's membership until 1998.

Industry offers offenders new life

By Richard Ford

MARKS & SPENCER is employing former drug offenders in its main London store in the drive to encourage industry to offer opportunities to people with criminal records.

The company initially employed eight young people on a seasonal contract. Three have been appointed permanent members of the sales staff at the Marble Arch branch and the company has promised to give seasonal contracts to other former offenders.

The chain highlights in its literature and application forms that it will consider ex-offenders for employment if their conviction is not relevant to the job they are seeking.

British Rail, which has offered job opportunities to offenders on Network South-East, has sent two personnel officers to run training sessions at Holloway prison in north London and Feltham remand centre in west London.

Young offenders in Feltham have repackaged headphone sets for Richard Branson's Virgin Atlantic, an initiative that led Gate Gourmet, a catering firm based at Heathrow, to offer work to young offenders, including one 21-year-old convicted of a serious offence.

David Burns of Gate Gourmet said: "We just try to bring someone back into society. When we took this guy on I did not look at the offence, I looked at his future."

Scouts consider dropping oath to God and Queen

By Kathryn Knight

MEMBERS of Britain's 88-year-old Scouting movement are expected to abandon their traditional oath of allegience to God and the Crown because it is thought to be outdated.

The Scout Association, which has 650,000 members nationwide, is considering changing its promise, which swears a duty to God and the Queen, because younger members are confused about its relevance.

The promise, which has remained fundamentally unchanged for the past 30 years, states: "On my honour I promise I will do my best to do my duty to God and to the Queen, to help other people and to keep the Scout law."

John Fogg, a spokesman for the association, said that, while older members felt that duty to God and Queen were important concepts, younger members were confused about their relevance. More than 6,000 Scouts and leaders were consulted about the future of the movement in a survey last year.

"One thing is very clear," Mr Fogg said. "Our young members are totally confused by the messages that society sends out. On one hand our society emphasises the importance of integrity, honesty and loyalty yet, if you look at what our leaders and heroes actually show us, the picture is very different. Prince Charles is an example of how young people feel they are receiving very mixed messages."

He added that the Prince of Wales's confession of adultery may have contributed to dissatisfaction with the promise. Garth Morrison, the Chief Scout, said that many scouts were confused about the role of the monarchy.

"Monarchy embodies concepts of patriotism and loyalty and it will be difficult to help young people understand those concepts in the light of Prince Charles's behaviour and the attention given to it," he said.

Scout leaders have now set up a working group to explore alternative wording. Their decision follows the Guide Association, which changed its oath so Guides no longer promise to "do my duty to God" but now "Do my best to love my God".

Mother in pool may have killed children

By Kathryn Knight

A WOMAN who was found dead with her son and daughter in a council swimming pool at the weekend may have killed her children before taking her own life, police believe.

Scotland Yard detectives are today expected officially to identify the three victims, who were found floating face down in the pool at the Seymour Leisure Centre near Marble Arch, central London, at 7am on Saturday. They were believed to have been unable to trace the father or other relatives until last night.

The three fully clothed bodies were discovered by staff arriving for work at the leisure centre. The centre is patrolled by security guards while closed. A post-mortem examination revealed that the woman, in her late thirties, and a boy and a girl aged between three and seven, drowned.

Religious literature, some from a Christian centre, was found in the woman's car, which was parked outside the centre. A police spokesman said the pamphlets were not linked to a cult.

Lone horseman braves dangers of Hindu Kush

By Edward Gorman

A FORMER merchant banker engaged in an eight-year trek around the world on horseback sets off today on the toughest stage of his marathon journey.

James Greenwood, 30, who gave up his job in the City as a corporate strategist with Lazard Brothers merchant bank in 1989, will spend the next 12 months riding across Afghanistan, Iran, and Turkey as far as the Bosphorus.

Apart from the challenge of some of the toughest terrain in the world in Afghanistan, Mr Greenwood, from Colchester in Essex, will also be taking his chances in an anarchic country still riven by civil war.

"I was nervous but I feel a lot more relaxed about it the closer it gets," said Mr Greenwood, who has spent the last few weeks research-

Greenwood: challenge

ing the safest routes through the tribal lands of the Hindu Kush with journalists familiar with the country. "I've asked a lot more questions than usual before going there, so in a way I am better prepared than normal."

The Afghan leg to Istanbul forms the third stage of a journey that has already lasted five years. It began with a 3,500-mile crossing of South America from Buenos Aires to Lima.

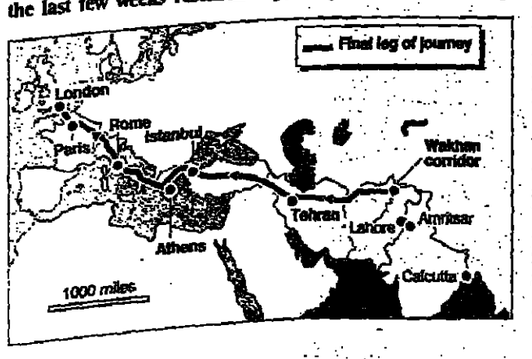
That was followed by a trip across Japan starting at Mount Fuji, then across Malaysia and then a year-long slog from Calcutta to Amritsar. Mr Greenwood crossed Pakistan from Lahore to the Wakhan corridor on the border with Afghanistan before taking a year off.

The idea for the journey started with a childhood ambition. "I had the idea to ride across South America for a good many years," he said. "Then when I got started with it I realised I was getting so much from it I looked at ways to expand it and thought of riding round the world."

At times, averaging just 20 to 25 miles a day, his motivation has flagged. "You sometimes get a bit of travel fatigue. When you get up in the morning and all you want to do is get from A to B. As soon as that happens, I stop because there's not much point in that," he said.

"I always give myself a let-out. I say to myself, 'do you really want to do this?' But I usually come up with the answer yes."

He estimates that completing the journey will take him another three years as he follows a route north from Turkey up to the French coast and home to Britain.



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By-elections in Northern Ireland and the North West give protest voters their chance

Candidate adopts Carson's mantle in fight for Union

BY NICHOLAS WATT
IRELAND CORRESPONDENT

ONE OF the most formidable Ulster Unionists since Lord Carson has emerged as the frontrunner in Thursday's North Down by-election.

Robert McCartney, who is standing independently as a "United Kingdom" candidate, has struck a chord in the affluent constituency where middle-class voters are expected to register their disgust with the Government's handling of the peace process. Crowds have flocked to Mr McCartney's campaign speeches to hear him condemn the Government for signing a "non-aggression pact with the IRA" when it agreed to last February's Anglo-Irish framework document.

But Mr McCartney, who is Northern Ireland's most prominent QC, directs his most withering invective at the leadership of the Ulster Unionists for doing so little to prevent the framework document. James Molyneaux, leader of the Ulster Unionist Party, is dismissed as a "donkey" and a "dodo", and Mr McCartney reels off the names of Ulster Unionists who have pledged their support.

Under the slogan "Trust Bob, Turn the Tide", Mr McCartney argues that an indifferent Government wants to disengage from Northern Ireland — and that an outdated and weak Unionist leadership has failed to prevent the slide. Mr McCartney, 59, whose upbringing on the Shankill Road in Belfast gives him impeccable Unionist credentials, says that the Union must be redefined, to challenge the Government.

Speaking in the conservatory of his large house in Cultra, one of Northern Ireland's smartest addresses in the heart of the constituency, Mr McCartney said: "There has to be a change in the political landscape of the Union. All the sectarian, triumphalist baggage from the 19th and early 20th century has got to be dispensed with."

In his keynote campaign speech, Mr McCartney emphasised that he was not opposed to peace, but dismissed the Government's attempts to achieve parity of esteem for Ulster's two communities as "parody of esteem". He said it was futile to enter the "web of barren negotiations in a pointless attempt to square a political circle", adding: "A united Ireland can't be round the corner while the Union is safe. There's got to be a breaking-point."

He urges full integration of Northern Ireland within the United Kingdom which will, he argues, win the backing of moderate nationalists when they see that links with Britain can bring economic benefits, rather than the traditional sectarian trappings.

Mr McCartney has won the backing of the Democratic Unionists in the by-election, which was caused by the death in March of Sir James Kilfedder. However, his Unionist critics say that Mr McCartney is a maverick with a knack of alienating supporters as well as opponents.

He served as an Ulster Unionist member of the Northern Ireland Assembly between 1982 and 1986, but was expelled from the party when he stood against Sir James as a "Real Unionist" in the 1987 general election. He came within 4,000 votes of Sir James, who sat as a Popular Unionist after breaking with Mr Molyneaux's party in 1980. Mr McCartney then returned to his lucrative career at the Bar until stirred into action by the recent Anglo-Irish initiatives.

He peppers his conversation with references to Lord Carson, the founder of modern Ulster Unionism, who organised such fierce resistance to Home Rule between 1912 and 1920 that the Government agreed to the creation of Northern Ireland.

Mr McCartney is being challenged by the Ulster Unionist Party, which has not stood in North Down since 1983; the Conservatives; the Alliance Party; and a host of peripheral candidates. The other main candidates all have weaknesses. Alan McFarland, the Ulster Unionist candidate, who works for the party at Westminster, is hampered by his obscurity; Stuart Sexton, a Conservative imported from England, is, however, opposed to the Government's Northern Ireland policy; and Sir Oliver Napier, the former Alliance leader, came out of retirement to fight the seat.

Mr Sexton, who is on the right wing of the Conservative Party, dismissed Unionist claims that his campaign lacked credibility because of his opposition to government policy on Northern Ireland. Mr Sexton, 60, who turned down an offer from Sir Patrick Mayhew, the Northern Ireland Secretary, to campaign for him, said that if he won he would "bash on the doors of ministers". He added: "I will have lots of friends on the Tory benches while Mr McCartney will shout from the benches and no one will listen."

However, most weekend shoppers in Bangor, the main town in North Down, said they would vote for Mr McCartney. Robert Gibson, 42, a teacher, said: "He is articulate and coherent, unlike most of the Unionists in this area. He will be an excellent advocate for local people on bread-and-butter issues."

Mr Gibson, who described himself as a moderate Unionist, said that he supported Mr McCartney's views on the Union: "He wishes to disconnect the idea of the Union from the trappings of Protestant domination."

□ **General election 1992:** Sir J Kilfedder (Pop Unionist), 19,305; E Kennedy (Con) 14,371; A Morrow (Alliance) 6,611; D Vitty (DUP) 4,414; A Wilmot (Nat Law) 253.

Lord Carson (1854-1935)

CRISPIN RODWELL

Robert McCartney in North Down yesterday. He accuses ministers of signing a "non-aggression pact with the IRA"

Labour and Liberal Democrats scent victory in Pennines

■ **The opposition parties are already on the campaign trail in the late Geoffrey Dickens's Littleborough and Saddleworth constituency, Alice Thomson reports**

THE late Geoffrey Dickens would have loved it. The colourful Tory MP's constituency in the Pennines spent the weekend celebrating the end of Whit week with brass band contests, an arts festival, fêtes and tea dances.

However, despite the trumpets and fireworks, and only a fortnight after Mr Dickens's funeral, the forthcoming by-election had started to overshadow the celebrations. Littleborough and Saddleworth could see the Government's majority reduced to single figures.

The constituency lies between the converted woollen mills of Rochdale and Oldham in Greater Manchester and the bleak Saddleworth moors. Many of the older constituents still consider themselves Yorkshiremen. They are no-nonsense traditionalists who voted for Mr Dickens because he wanted to castrate rapists and was not a "namby-pamby from Westminster". They are also fed up with government ineptitude and perceived sleaze.

The rest are predominantly young professionals who have moved into the picturesque Pennine villages and commute to Manchester. These are the people the Opposition hopes to attract, turning the electorate's disillusionment with higher taxes, rail cuts and education standards into protest votes.

The seat should naturally fall to the Liberal Democrats. One of their strongholds, Colne Valley, is over the next hill; the party controls 19 out of 24 borough council seats; and at the last general election they came within 4,494 votes of victory.

But Labour came a respectable third and Tony Blair is determined to do well here to prove there are no no-go areas for new Labour.

A date for the by-election has yet to be set, but the opposition parties are banking on July 27. Rival campaign teams have been out in force delivering electoral literature to 35,000 households. They have already brought out their hard hitters: the former Liberal leader David Steel had bacon and eggs in the constituency on Friday and Mr Blair arrives today.

The Liberal Democrats have been the quickest off the mark and have already chosen their candidate and their campaign themes. Chris Davies, a 40-year-old marketing consultant and fell runner, has fought the seat twice before and was accused by Mr Dickens of putting out "distasteful" campaign literature. "Education, rail privatisation and sleaze will be my main themes," he said from the new Ashdown House headquarters in Shaw. He hopes his moderate voice will woo voters worried that the old Labour has not entirely vanished. On Friday the Liberal Democrats won a district by-election that should have been a walkover for Labour. But Labour is adamant it can use the Blair factor to take the seat.

Peter Mandelson, the Hartlepool MP orchestrating Labour's campaign, doorsteps Liberal Democrat press conferences to trumpet Mr Davies's calls for "closer ties with Labour" and urges votes to "cut out the middle man" by voting Labour, whose candidate is likely to be Phil Woolas, a GMB union official.

The Tories are still too upset by the death of Mr Dickens to join the fight. Their only chance of avoiding a devastating defeat rather than just an embarrassing one is to find another charismatic local to split the opposition. John Hudson, the former agent, who is steeped in old-fashioned values and spurns mobile telephones, is tipped as the likely candidate.

Mr Davies wandered round the Whit walks in Uppermill on Friday, pressing flesh and buying pork pies, apparently winning over a number of the disaffected. Unlike other Liberal Democrat by-election victors, if he wins he should have the seat for life. With the new boundary changes his constituency will become one of the safest Liberal Democrat seats in the country.

General election 1992: Dickens, G K (C) 23,682; Davies, C (Lib Dem) 19,188; Brett, A J (Lab) 10,649.

Abattoir attacked with 20 firebombs

An abattoir owned by a meat wholesalers' company was firebombed yesterday in an attack thought to be the work of animal rights activists.

Police investigating the blaze at A.F. Ensor in Cinderford, Gloucestershire, found more than 20 incendiary devices. One lorry tractor unit was destroyed by fire and four other lorries damaged. No organisation has admitted carrying out the bombing, estimated to have caused at least £30,000 damage.

Two die in crash

Two people were killed and three others seriously injured when a single-decker bus and a car collided yesterday on the A689 at Claxton, near Hartlepool, Cleveland. Another 23 people, many suffering from shock, were taken to hospital.

Jail boy held

A 14-year-old boy has been arrested for trying to smuggle drugs into Dartmoor Prison. The youth, from Cardiff, was visiting a relative at the jail with his grandparents when cannabis resin and 80 tablets were found in a routine search.

Patients recalled

More than 100 women have been recalled for blood tests by Birch Hill Hospital in Rochdale, Greater Manchester, after a patient was infected with hepatitis B from a member of staff during an operation. The patient involved has since recovered.

Drugs inquiry

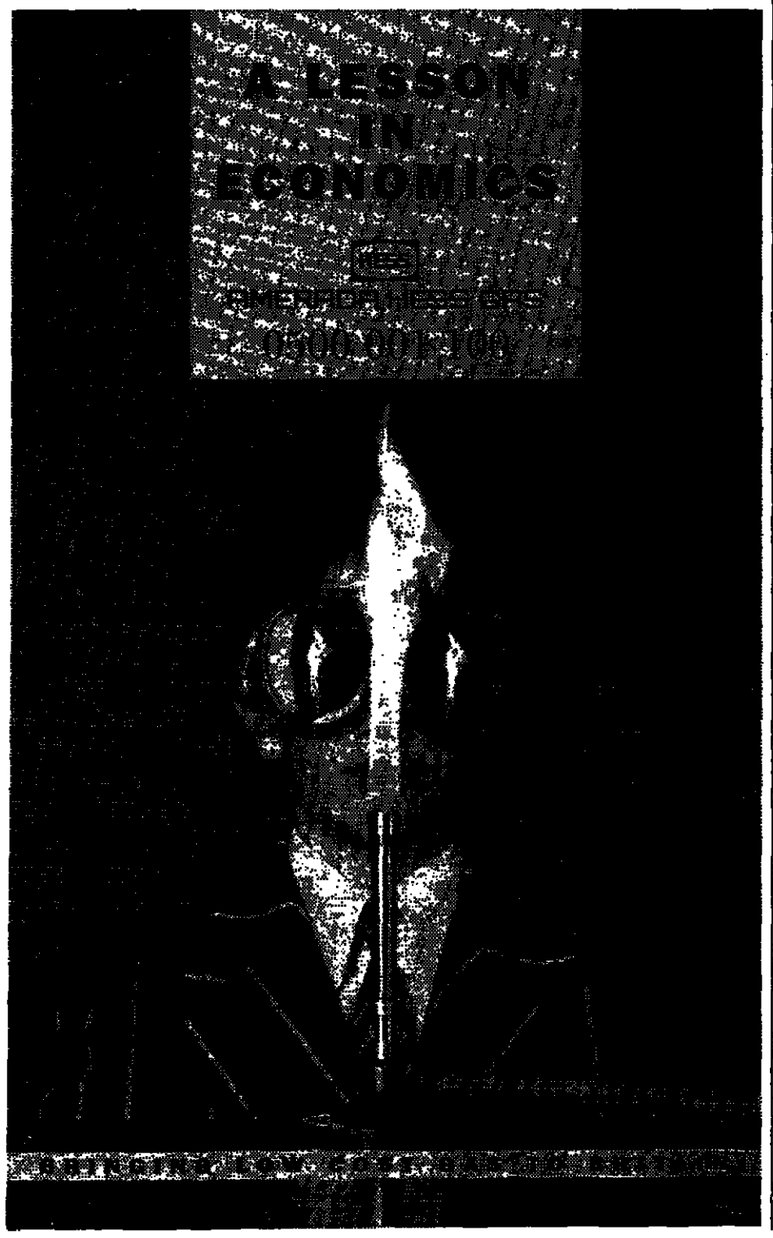
Four workers at Rover's Longbridge plant in Birmingham have been suspended after allegations that they smoked cannabis on duty. The company has launched an investigation and says they will be sacked if the allegations are proven.

Bus lane bikers

Motorcyclists are to be allowed to use most bus lanes in Bristol from today in a six-month experiment introduced by Avon County Council. The scheme, the first of its type in the country, is being monitored by the Transport Department.

Footpaths open

Two stretches of Thameside footpath were opened to the public yesterday. Members of the Ramblers' Association were the first to walk along the south side of Vauxhall Bridge, past the new headquarters of MI6, and the adjacent stretch of riverbank.



Pelvic disease increases rate of ectopic pregnancy

MEDICAL BRIEFING

WHEN Rosalind Foster, a barrister representing the General Medical Council, said this week that any deception of the public in relation to ectopic pregnancies was straying into a particularly emotive field she was describing the tensions and anxieties felt by many women who have a history of pelvic infection and then develop some lower abdominal pain and are late with their periods. They may also have noticed a spot of bleeding.

Ectopic pregnancy is any pregnancy in which the fertilised ovum implants outside the womb. In the majority of cases the implantation occurs in the Fallopian tubes, which carry the ovum from the ovaries to the uterus; very rarely an embryo starts to grow in the abdominal cavity, or may even become attached to an ovary.

Ectopic pregnancies are becoming increasingly common. Some estimates have put the incidence as high as one in 200 pregnancies. The likely reason is that over 50 per cent of them follow pelvic inflammatory disease, which, with changes in sexual mores, occurs much more often than a generation or two ago. The infecting organism is often gonorrhoea, or frequently chlamydia, the cause of non-specific urethritis (NSU) in men. The longer the period between infection and treatment, the more likely it is that the sensitive lining of the Fallopian tube will be damaged, the transit of the eggs to the uterus impeded, and the next pregnancy will end as an ectopic one.

The severity of the symptoms, abdominal cramps and spotting, from which the patient suffers is to some extent dependent on the part of the tube in which the embryo is growing. If implantation occurs in the section closest to the uterus, the symptoms may continue for some weeks. Rupture of the tube when the embryo is growing in its narrower section closer to the ovary occurs earlier when the pregnancy is affecting the portion near the uterus. When rupture does occur, the patient suffers acute pain with all the signs of peritoneal irritation, shock and pallor from internal bleeding.

Diagnosis of ectopic pregnancies before rupture has been improved by the development of early means of confirming pregnancy, by ultrasound and laparoscopy. The treatment is surgical; although sometimes the tube can be repaired, nobody has yet been able to re-implant a fertilised ovum in the womb.

DR THOMAS STUTTAFORD

Roads go from bad to worse

MORE roads need repair than at any time in a decade, a survey issued today suggests (Jonathan Prynn writes).

The report, based on Department of Transport and local authority figures, says that almost 5,000 miles of road are in need of urgent structural repair and a further 3,000 miles, including 660 miles of motorway, will wear out in the next four years.

The quality of road maintenance has also seen a 10 per cent decline since 1984 with a deterioration in five out of the seven classes of road, although trunk roads have seen a small improvement.

Richard Diment, director of the British Roads Federation, which drew up the report, said: "A poor-quality road is dangerous and inefficient."

The report's findings are based on an annual central and local government survey of roads started in 1977, which measures nine defects including potholes. Last year it found that the worst problems were in urban streets where the number of defects had increased by up to 20 per cent since 1984. Rural roads and lanes had up to 11 per cent more defects.

The Highways Agency disputed the report's findings but conceded that many main roads needed repairs.

THE TIMES

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MoD studies risk from Middle East

Britain 'has only 10 years to protect itself from missiles'

BY MICHAEL EVANS
DEFENCE CORRESPONDENT

BRITAIN will have to be protected within ten years from the threat of ballistic missile attacks from the "Club Mad" countries in North Africa and the Middle East, according to a Ministry of Defence briefing.

The ministry has carried out a long study of the expected proliferation of ballistic missile weapons among countries, some of which are seen as potentially hostile to Britain.

Roger Freeman, the Defence Procurement Minister, told *The Times*: "I think there is a prima facie case for having a ballistic missile defence system."

However, the cost of developing or purchasing a system capable of destroying ballistic missiles could run to billions of pounds and at present there is no money put aside in the defence budget for this type of sophisticated equipment.

Mr Freeman said: "Whatever we do, it will have to be collaborative. We are trying to work out what we want first but we don't like grandiose gestures."

He was referring to America's Strategic Defence Initiative, which began in 1983 when President Reagan asked scientists to develop a space-based shield against a Soviet multiple nuclear missile attack. The idea was dropped in favour of a cheaper theatre missile defence.

Britain has in the past been sceptical about the need for an anti-ballistic missile system. However, Mr Freeman said that he was convinced that "something had to be done" to combat the potential threat of a ballistic missile attack on Britain or on British troops deployed abroad.

Freeman: options

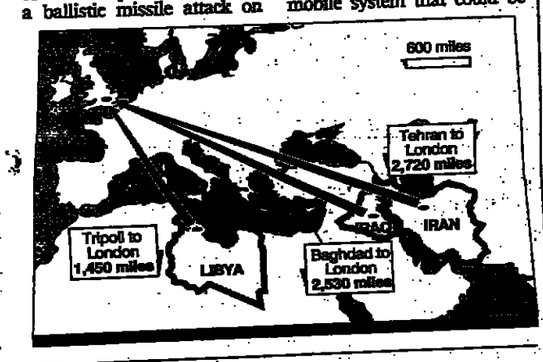
He said: "We have to take on board the possibility that in ten years' time a missile could hit the United Kingdom. We have a ten-year window before the UK could be effectively targeted from the Mediterranean and the Gulf. That's how long we've got."

The MoD has not listed the so-called Club Mad countries but they would include Libya, Iran and Iraq. Libya and Iran are developing long-range ballistic missiles and Iraq retains the ambition and the capability, although its plans were curtailed by the 1991 Gulf War.

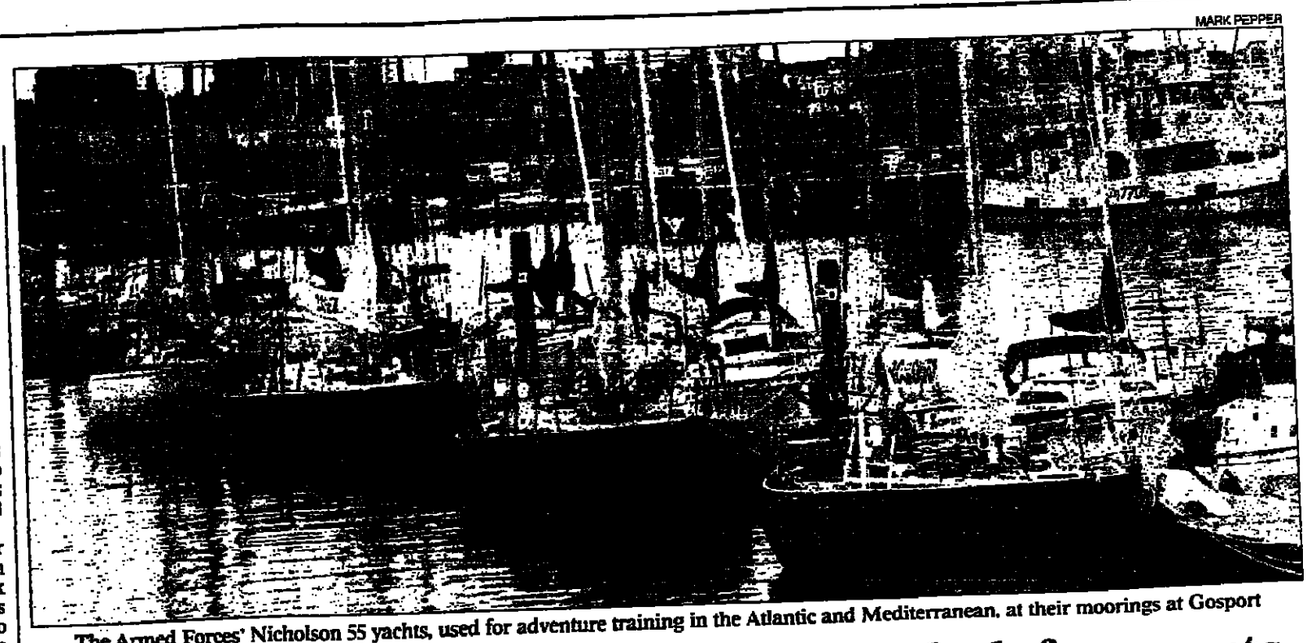
At present, Britain is focusing its main anti-ballistic missile research on a long-range radar system called Mesar that would be able to track missiles. The Americans, who are developing theatre missile systems and have carried out experimental missile hits in space, are showing interest in the Mesar system. Britain's intention is to have a mobile system that could be deployed when British forces go to war overseas, similar to the American Patriot weapons that knocked out Iraqi Scud missiles in the Gulf War.

Mr Freeman said the Mesar radar could also be based in Cyprus to help to track shorter-range Cruise missiles "that would take two hours to reach the UK". Ministers are expected to decide next year what action to take to defend this country against the future threat. Mr Freeman said: "There were 70,000 casualties the last time Britain was attacked by ballistic missiles in 1944 and 1945 [by German V2 rockets]. So we take this new threat very seriously."

He added: "But we want to study all the costed options so that we don't get sucked into something we don't want. We want to know what the threat is and to work out the balance of investments."



MARK PEPPER



The Armed Forces' Nicholson 55 yachts, used for adventure training in the Atlantic and Mediterranean, at their moorings at Gosport

One ocean-going fleet sails through defence cuts

BY MICHAEL EVANS

ONE area of Ministry of Defence spending that has remained unaffected by the last five years of budget cuts is the fleet of publicly funded ocean-going yachts. The three Armed Services have nine Nicholson 55s, impressive 55ft boats, and 14 other 34ft Victoria class yachts.

The yachts are paid for from the defence budget and are used by thousands of service personnel every year. The Ministry of Defence said: "The top brass just can't use them for their own personal pleasure."

The RAF and Army also have their own boats, but they are not publicly funded. The RAF has two 38ft Sigma yachts and two 34ft Sadlers, which were bought by the RAF Sailing Association and have to be chartered by the members at £73 a day.

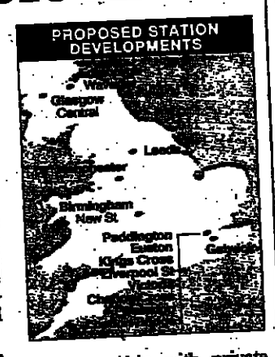
The Army also has a sailing association. Recently there was uproar in the British yachting industry when it bought ten foreign yachts for its centre at Kiel in Germany. An Army spokesman said: "The sort of yacht we wanted we couldn't get from any British yacht-builders."

The 23 publicly funded yachts, which are anchored at *HMS Hornet* in Gosport, Hampshire, were not included in a recent Frontline First defence cut because adventure training is expected to be a growth industry in the Services. Earlier this year Michael Bett, the former deputy chairman of British Telecom, recommended more opportunities for adventure training in his MoD-commissioned report on the Forces' management and structure.

The Nicholson 55s are frequently sailed across the Atlantic and in the Mediterranean. The Victoria 34s are mostly used in home waters.

Railway stations shop around for profitable lines

BY JONATHAN PRYNN
TRANSPORT CORRESPONDENT



AILING rail commuters may soon be able to take their medical complaints to the station doctor before catching their train home under proposals to develop Britain's most famous termini.

Senior Railtrack managers are drawing up radical plans for 14 main stations that could include upmarket shops and bars, creches and dental surgeries as well as a medical centre for passengers.

The stations — Paddington, Euston, King's Cross, Liverpool Street, Victoria, Charing Cross, Waterloo, London Bridge, Gatwick, Manchester Piccadilly, Leeds, Birmingham New Street, Edinburgh Waverley and Glasgow Central — are regarded as the most valuable assets in Railtrack's £2 billion portfolio.

Termini such as Paddington and Victoria, which are used by many professional commuters, are likely to see the smartest facilities, such as wine bars and Harrod's concessions. Other such as Manchester Piccadilly, which have predominantly low-spending passengers, would house more basic outlets.

Railtrack managers believe passengers will also be attracted by the option of having their medical and dental problems attended to during their journeys to and from work rather than having to take time off.

Last week Railtrack appointed Peter Monaghan, a senior executive with ten years' experience at the top of the retail industry, to head the development of the "Big 14". Mr Monaghan has been charged with maximising the potential of the stations, all of which are in prime city centre sites and have hundreds of thousands of square feet of development property.

The Big 14 will be operated in partnership with private companies on leases ranging up to 125 years, although Railtrack will retain the freeholds. No decision has been taken on whether the operators will be able to change the historic names of the stations to reflect the new ownership. The stations were originally earmarked for outright sale by John MacGregor, the former Transport Secretary, in a speech to the 1993 Tory conference.

The stations already generate about £20 million of rental income a year but Railtrack believes that tens of millions of pounds of revenue is being lost because of the limited range of facilities and the often threatening atmosphere of stations such as Euston and King's Cross. Liverpool Street and Victoria have had hundreds of millions of pounds spent on upgrading.

The move has been inspired by the example of BAA, which now derives more than half its profits from its retail activities. Railtrack wants to persuade passengers to spend far more time and money at its stations before boarding trains, although it recognises that they will never linger as long at stations as air passengers do at airports.

Most of the rest of the network's 2,400 stations are due to be sold to private train operators.

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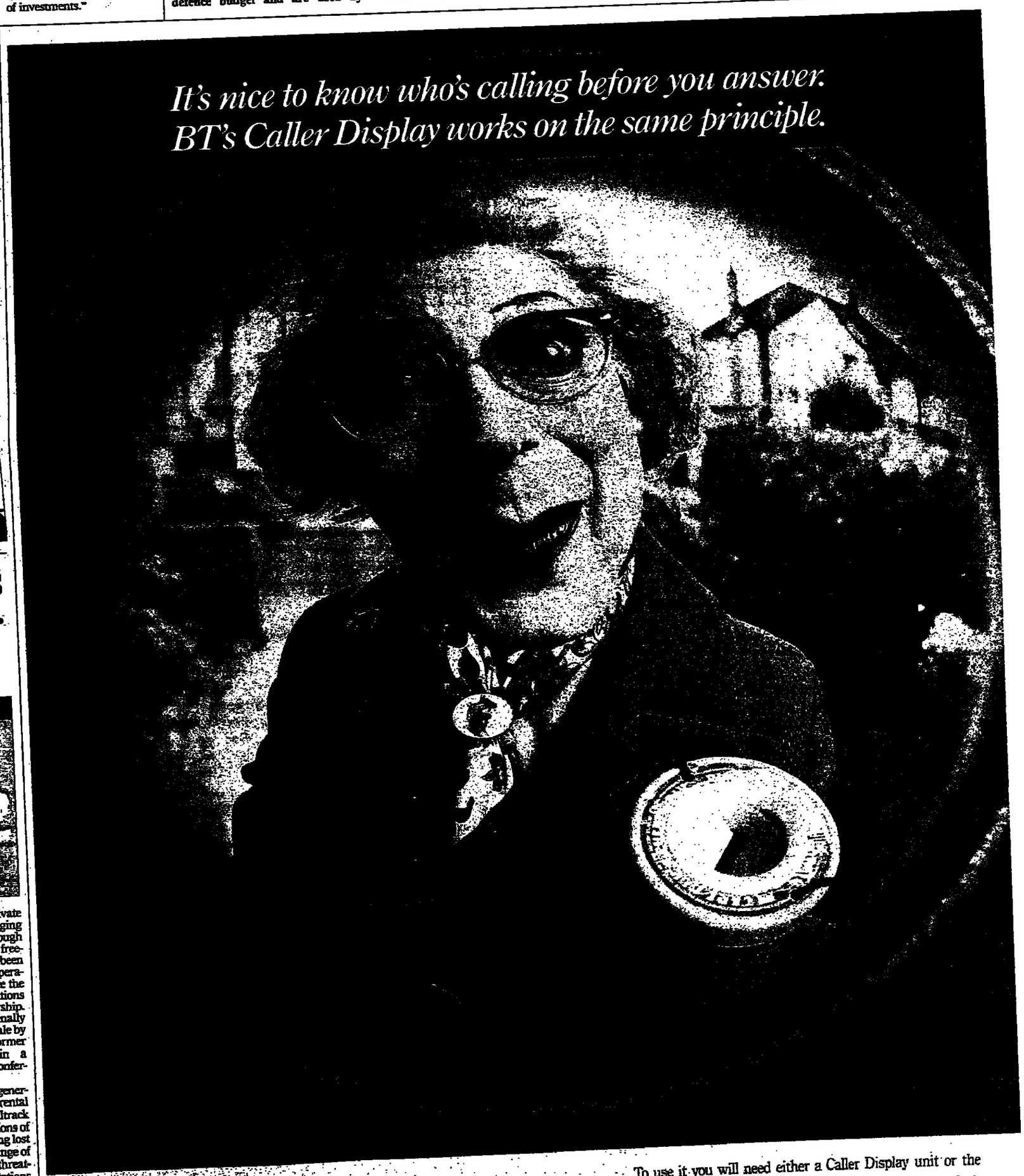

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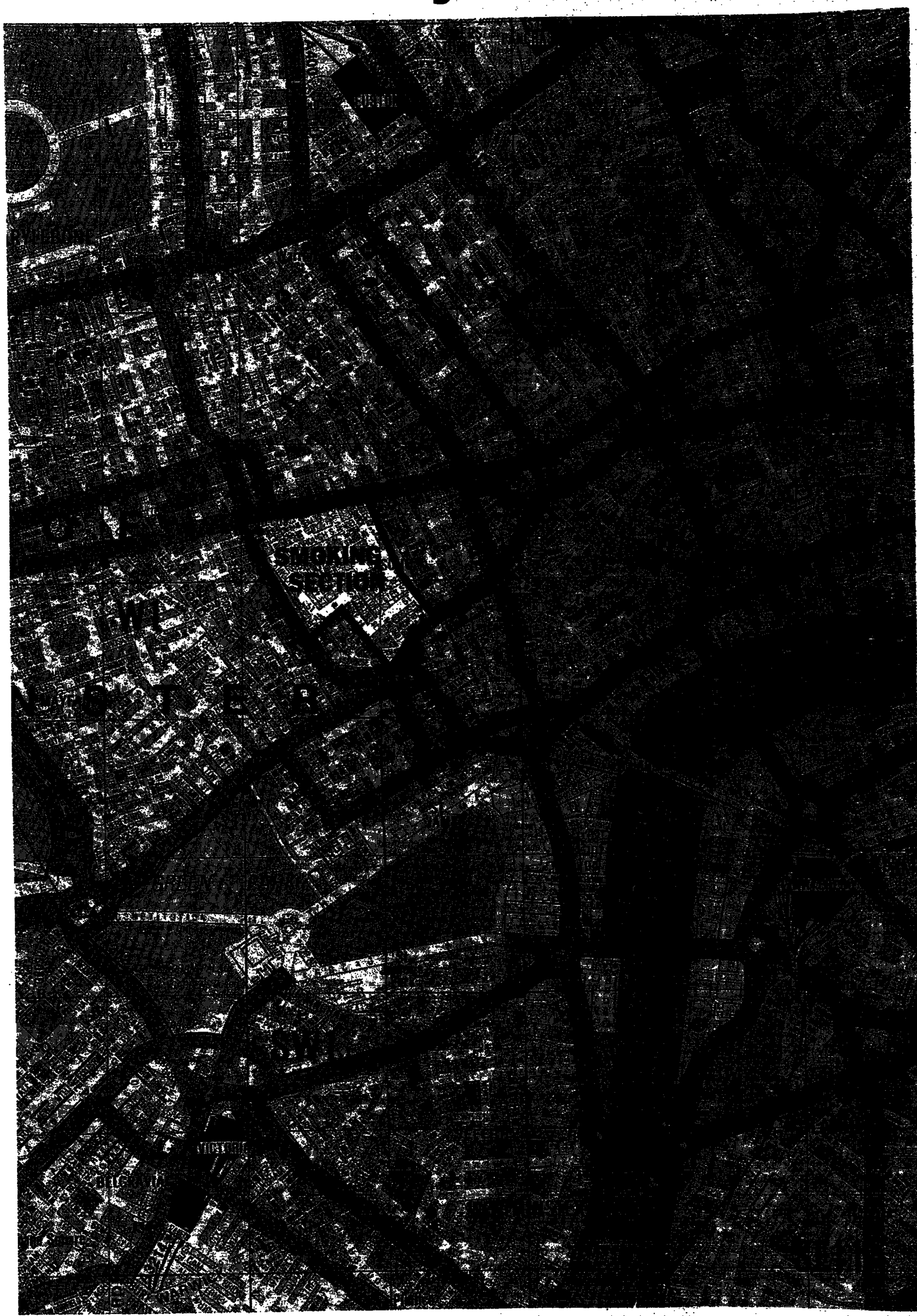

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Polite summit language masks growing exasperation with UN agencies

■ Rosemary Righter urges the G7 summit in Halifax to set in motion root-and-branch reforms of a bloated UN bureaucracy increasingly choked by malpractice and in-fighting

IF the draft communiqué drawn up by the G7 "sherpas" is anything to go by, the Halifax summit of their leaders will assert that "international institutions have been central to our pursuit of stability, prosperity and equity" for the past 50 years.

Increasingly they are nothing of the kind. The polite summit language masks growing exasperation over the wastefulness and irrelevance of much of the international machinery clustered under the United Nations umbrella.

The UN is ever more at centre stage in world politics, but the extra demands on it have exposed its detachment from reality and the pointlessness of much of its activity. As the ideological controversies that dogged the UN for much of its history have cooled, the UN secretariats have been stripped of the self-serving excuse that the UN functions badly because it reflects a world at loggerheads. The UN's principal paymasters are less and less willing to underwrite machinery which has become marginal to the real agenda.

Behind the scenes, G7 officials have been arguing for months about what can be done to drag the UN into the 21st century. At the beginning of the year, the sherpas identified half a dozen priorities: managing conflict, promoting economic growth and reducing poverty, protecting the environment, controlling the proliferation of weapons of mass destruction, and more effective co-operation against drugs and organised crime. To this list ought to be added the challenge of rebuilding in such "failed states" as Rwanda or Somalia.

The hope is that governments will use the UN's fiftieth anniversary this year to begin to sort out which of the UN's 100-plus organisations and programmes are capable of helping to tackle these objectives — and which of them would be better merged or wound up. Institution-building has run riot; the UN's organisational structure defies analysis. There are 14 legally autonomous UN specialised agencies, not counting the International Monetary Fund and the World Bank. The "political" UN in New York has become swamped by social programmes which consume most of its budget: at least 20 bodies report to the Economic and Social Council, including five regional economic commissions widely acknowledged to be useless.

Some organisations, such as the International Civil Aviation Organisation, give good service. The UN's humanitarian functions, although seriously disorganised, are indispensable. But much of the UN has become ossified and unaccountable. It is choked by bureaucratic in-fighting, empire-building and administrative malpractice. Its management and accounting procedures belong in the Dark Ages, and any rational approach to hiring and firing is impossible because competence takes a distant second place to the UN rule of "equitable geographic distribution" of posts — and to the practice whereby the director-generals of UN agencies purchase votes for re-election through the offer of plum secretariat jobs.

The results of this "UN disease" are studies that nobody reads, resolutions that take months to negotiate only to gather dust, and "development" projects that provide jobs for tens of thousands of well-paid international consultants but have little impact on the lives of the people they are supposed to benefit.

The UN machinery is tough in one respect: its resistance to reform. At UN headquarters in New York there have been at least eight serious attempts at administrative reforms since the early 1950s, the main effect of which has been to add fresh layers of bureaucracy. No big UN programme has ever been scrapped; proposals for radical surgery always end in compromise.

The Halifax summit could break with this history of failure. But that would mean using the power of the purse to strengthen the parts of the UN which have a real job to do and are capable of adapting to new demands, and letting the others wither away quietly. Even Britain, one of the main advocates of reform, is reluctant to do this because it would mean abandoning the Western policy of curbing UN spending by insisting on "zero growth" in all budgets. Yet switching funds to match priorities would be more likely to produce results than yet another attempt to get governments to agree to close down units or organisations. The UN's secretariats would have to demonstrate that they could provide services worth supporting. They would have to compete to survive.

There is a risk that Halifax will shrink from the challenge and take refuge in platitudes about the need for more "co-ordination". If it does, some Western politicians, not least on the Republican Right in America, will move to cut back UN funding anyway.

□ *Rosemary Righter is the author of* Utopia Lost: The United Nations and World Order, *published this year by The Twentieth Century Fund at £19.50.*

Major and Chirac enter a new era of entente

FROM CHARLES BREMNER IN PARIS

THE leaders of Britain and France will attend the G7 summit of the seven leading industrialised nations in Halifax, Nova Scotia, this week enjoying their warmest rapport for years. For this they must thank their "brotherhood-in-arms" over Bosnia and an attempt by President Chirac to make allowances for Britain's distaste for European monetary union.

There is little doubt that cross-Channel relations are on an upward swing. "Jacques" and "John", as they called each other, hit it off at a two-hour meeting in Paris on Saturday, and the Gaullist President told the Prime Minister that he would take account of Britain's qualms over Europe. "We cannot build Europe without England," declared M Chirac. "England" being the national tag that was favoured by de Gaulle. "We must understand specific English problems."

In particular, M Chirac said the European Union had failed to take into account the consequences of a monetary union that included only five to seven members. He called for a full study of the effect of Britain and other states opting out or being excluded if France, Germany and the Benelux states were to go ahead on schedule in 1999.

This delighted Mr Major, who said that M Chirac's approach to Europe was a "breath of fresh air". The unspoken comparison was with the past 14 years under the Socialist President Mitterrand.

M Chirac's allowances for the British view and the chemistry between him and Mr Major should help to smooth the ground at the European summit later this month in Cannes, where Britain could find itself isolated on plans for revamping the Maastricht treaty next year. But old tensions are still there, and differences remain as strong as ever over the future shape of the EU, trade, agriculture and aid packages.

Nevertheless, the Saturday session and a dinner attended by all 15 European leaders in the Elysée Palace on Friday have confirmed that M Chirac wants to modify the European equation. Much less a federalist than M Mitterrand, he wants to retain close ties with Bonn but in a triangle that includes Britain.

He said that he saw France as the promoter of the "synergy that is indispensible for the construction of Europe". But he made clear that the tie with Germany would remain the base of that triangle.

Mr Major did his bit for the rosier cross-Channel rapport, praising France on local television and saying, through a French translator: "Britain has no intention of damaging the Franco-German entente ... we think this is important for France, for Germany and for Europe."

Commentators and some officials are, however, giving warnings against any exaggeration of the impact of clearer Anglo-French skies. M Chirac's readiness to see the British point of view will not deter him from pursuing closer union, his aides say. The President himself promised to give a new impulse to Europe on Friday, making an effort, among other things, to start the promised big public spending programme on trans-European transport and communications. Constant delays had made the plan ridiculous in the eyes of the public, he said. "It's like the Loch Ness monster. Everyone talks about it but no one has seen it."

France, the President's staff insist, is committed to an ambitious revision of the EU at the inter-governmental conference that starts next year. Michel Barnier, the European Affairs Minister, said as much last week. "There is not the slightest question of undoing what has already been done," one official said, referring to the desire of some British politicians to see national powers "repatriated" from Europe.

Both the pro-Gaullist *Figaro* and the left-of-centre *Le Monde* pointed to what they called the skill with which Britain was trying to drive a wedge between Paris and Bonn.

The military partnership in Bosnia serves this purpose, French commentators say, because it reinforces the principle of inter-government decision-making at the expense of EU arrangements for security and defence.

Local polls put French Socialists to the test

BY CHARLES BREMNER

FRENCH voters trekked to the polls for the third time in seven weeks yesterday to start electing 36,000 local councils, an exercise that could signal whether the beleaguered Socialist Party is ripe for revival or still in decline.

Coming only a month after the election of President Chirac, the two-round municipal elections are deemed this year to be less of a political barometer than a snapshot of the malaise in local government after a spate of corruption cases and changes in the job which have soured the lot of the small-town mayor.

However, the exercise, which involves the selection of half a million city, town and village councillors, is something of a test for the Socialist Party, which revived from its electoral coma with the strong showing for Lionel Jospin in the presidential run-off with M Chirac.

The Left still controls 129 of the 230 big towns and cities. That majority, dating from the last elections in 1989, represents the Socialists' last hold on power in a country dominated at every other level by the Gaullists and their centre-right allies.

The Gaullists were hoping to follow up their recent parliamentary and presidential victories by taking a string of key towns, including Marseilles, which has been run for four decades by the Left. If the Centre-Right captures Marseilles and keeps its other fiefdoms, it will hold the five biggest cities: Paris, Marseilles, Lyons, Toulouse and Nice. Paris is certain to be won by the Gaullist-led bloc, headed by Jean Tiberi, the deputy who succeeded M Chirac as Mayor this month.

However, if the Socialists score a sizeable national share, they could claim they had truly returned from the dead. A key Socialist target is Grenoble, where Alain Carignon, the Gaullist Mayor and former minister, has spent seven of the past nine months in jail awaiting trial on corruption charges.

The extreme right-wing National Front of Jean-Marie Le Pen was also hoping to capitalise on his 15 percent vote in the first presidential round by winning dozens of new council seats across the country. No city was expected to come under NF control.

In keeping with the Gallic tradition of "cumulative mandates", 33 out of 43 members of the Government were running for local office yesterday, most of them as mayors. Alain Juppé, the Prime Minister, was certain to be anointed Mayor of Bordeaux, in succession to Jacques Chaban-Delmas, a former Prime Minister, who has held the post for 48 years.

M Juppé, who hardly campaigned in Bordeaux, played into the hands of critics of absentee mayors by failing to vote there yesterday, casting his ballot by post from Paris. President Chirac, however, paid a flying visit to vote in Sarran, his home village in the rural Corrèze department, where Bernadette, his wife, is an assistant mayor.

The brief campaign has been dominated by the sense that corruption and excessive burdens of office are undermining the tradition of mayors as a cross between father figure and benevolent dictator. The institution has also been brought into disrepute by a number of high-publicity scandals.

President Chirac blows a kiss to the crowd in Sarran, where he voted yesterday in the first round of national municipal elections

Italians decide on Berlusconi's future

FROM JOHN PHILLIPS IN ROME

ITALIANS voted yesterday in a bewildering rainbow of 12 referendums, including one on television ownership that may terminate the meteoric political career of Silvio Berlusconi by forcing him to sell two of his private channels.

Figures from the Interior Ministry showed that only around 29 per cent of Italians had voted by mid-afternoon, raising the possibility that the 50 per cent quorum would not be reached. Supporters of Signor Berlusconi have accused Lamberto Dini, the Prime Minister, of encouraging Italians not to vote in the referendum in the hope of prolonging the life of his technocratic government.

If Italians reject the main referendum proposal to limit television ownership to one channel per person, Signor Berlusconi will consider the outcome a vote of confidence in his leadership of the conservative Freedom Alliance and will press President Scalfaro to call a general election in the autumn. A vote to strip him of his virtual monopoly over private television would increase growing demand among his allies in the "post-fascist" National Alliance and the Christian Democrat Centre Party, as well as among moderate members of his Forza Italia movement, for the billionaire to step down as leader of the Italian Right. Signor Dini would then be likely to remain in office until next year.

Yesterday's referendums included ones on curbing trade union power and on liberalising shopping hours. A high abstention rate would encourage parliament to make it more difficult to petition for referendums, which at the moment requires only 500,000 signatures.

The land that capitalism forgot

FROM JAMES PETTIFER IN KUKES

THE children playing by the grand new mosque look much as Albanian children always do: cheerful, grubby, brilliant at improvising toys from nothing.

They have no choice, for here in the far northeast, 20 miles from Serbia, there is little more to buy after three years of freedom than there was under communism or in King Zog's time. This is highland Albania, beautiful, severe and grimly poor. A few cafés have opened, full of imports from Greece and Italy, but there are no local jobs and Enver Hoxha would still recognise the town.

The occasional petrol smuggler's Mercedes sweeps through the centre, but otherwise there is still the same jumble of derelict communist party buildings, empty factories and potholed roads. The modest prosperity of the capital city, Tirana, hundreds of miles away in the lowlands, is nowhere to be seen.

Since UN sanctions were imposed against neighbouring Serbia, crime has become a mainstay of life, with handguns a currency in themselves, and a significant revival of the blood feud, with a tiny village of 80 people near Kukes having already recorded three killings this year. The new mafia based on petrol

smuggling has made a lethal mixture with the highland family quarrels over land, going back generations.

The writ of Tirana governments has never run very far in these regions. Sitting in the main street, Zek is nearly 80 years old, rolling his own cigarettes from tobacco he has grown himself, with a grizzled, dark brown, weather-beaten face, no teeth, and a good memory of the days when Mussolini marched his troops here in the war.

"Why do we live here? We have always lived here, to get away from the Turks first, then to get away from the Italians, then to get away from the communists." And President Berisha? "The Berisha family were shepherds in Tropoja. Now he needs the sheep to look after him."

In this deeply conservative area, which like the rest of the north and northeast fought tooth and nail against communism, these sentiments may be political death for the President. The strong backing of Dr Berisha by the United States and Western governments means little here. Many people expected Western funds to rescue them from the ruins of 50 years of communism. But little American money has materialised. If President Berisha cannot win back popularity in his northern heartlands, the strong regional showing of the Socialists in their traditional southern strongholds will mean the end of his control of parliament.

Many northerners are voting with their feet, into new settlements on the outskirts of Tirana, which may show good economic sense but leaves the border regions economically ruined and easy prey for the mafia.

A key issue in the next few months, for the survival of some sort of decent life and society in these towns, will be the negotiations with Greece over work permits. Drachma remittances underpin the Albanian economy and make up an estimated quarter of GDP. This gives Athens a stranglehold over Dr Berisha. In the absence of a wider Balkan settlement, the Albanian poor are pawns in a wider game, with the Government in Athens seeking complacent buffer states along its northern border.

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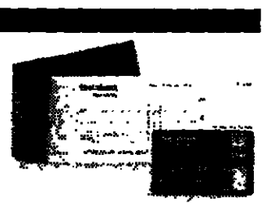

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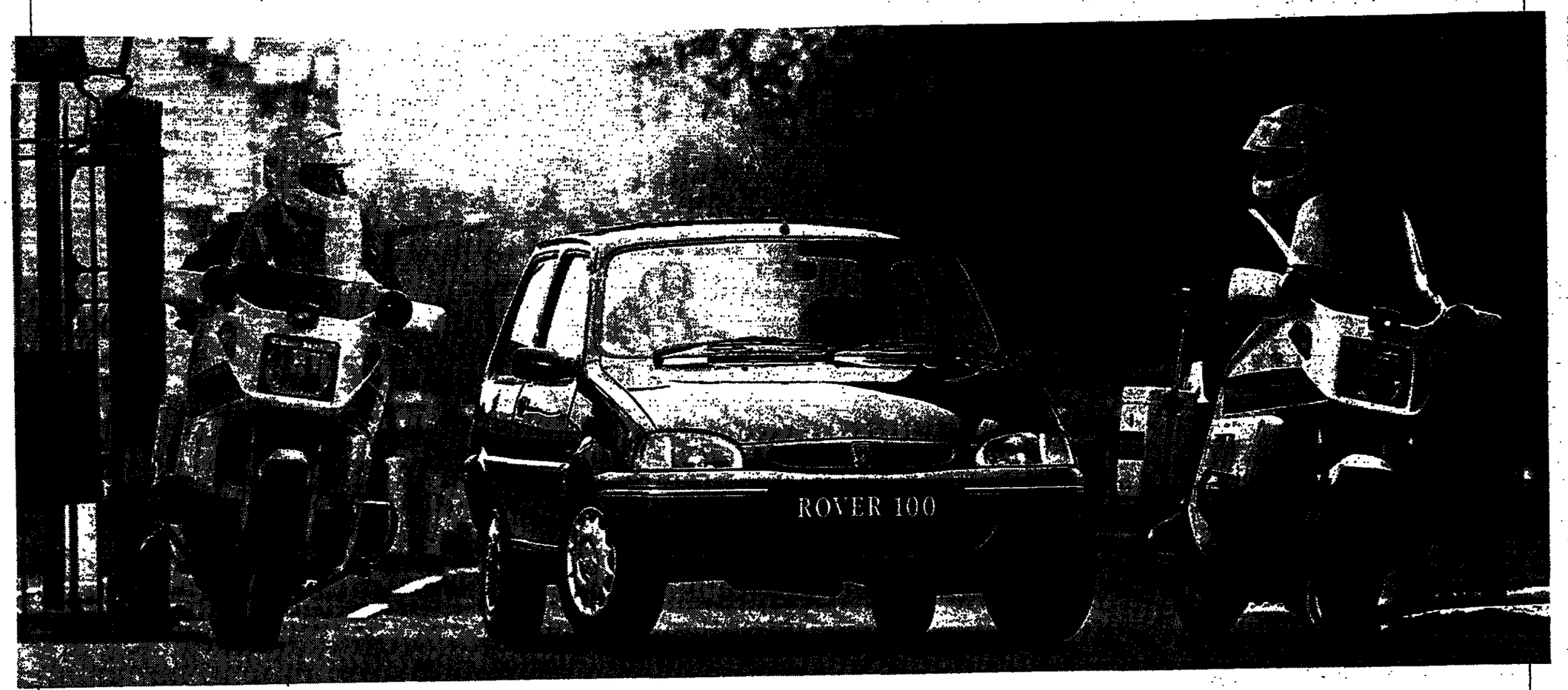

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Bildt's Balkans mission begins with Kremlin visit

BY RICHARD BEESTON IN MOSCOW AND EVE-ANN PRENTICE

CARL BILDT, the European Union's new mediator in the former Yugoslavia, began the first mission of his assignment by visiting Russia at the weekend, where he sought to enlist the Kremlin's support for peace efforts.

Arriving in the Black Sea resort town of Sochi for a 90-minute meeting with Andrei Kozyrev, the Foreign Minister, the former Swedish leader said that he intended to keep Russia and the other members of the Contact Group working closely together.

Mr Bildt begins his task at an especially critical time in the Balkans, with the international community trying to decide on the future and role of the United Nations in Bosnia-Herzegovina.

He is believed to have chosen Russia for his maiden shuttle mission for two reasons. He wanted to ease growing concerns in Russia that Nato may take military action against the Bosnian Serbs without consulting Moscow. After the air raid on the Bosnian Serb stronghold at Pale last month, the Kremlin complained that it was not properly advised of the action, but was then asked to help mediate with the Serbs after UN peacekeepers were taken hostage.

Mr Bildt also felt the need to re-establish his contacts with the Russians, which were strained on occasion when he was Prime Minister.

Mr Bildt faces a frenetic week, travelling back to Western Europe today to meet the Foreign Ministers of the 15 EU countries who meet in Luxembourg, and then on to Geneva for a meeting tomorrow of the steering committee of the International Conference on the former Yugoslavia. On Wednesday he plans to see Warren Christopher, the US Secretary of State, in Washington and to meet Boutros Boutros Ghali, the UN Secretary-General, on Friday.

"We are now at a critical situation," Mr Bildt said in Sochi. "It is extremely important to work closely with all the countries of the Contact Group and I wanted to have an early opportunity of meeting my friend, Mr Kozyrev, and the Government of Russia. Russia has been playing an important and constructive role in the efforts to solve the crisis in Bosnia and the former Soviet Union."

Mr Bildt's role is expected to differ from that of his predecessor, Lord Owen, in that he hopes to represent the Contact Group of Britain, France, Germany, Russia and America, as well as the EU. Washington and Moscow have yet to agree, a source in Geneva said, adding that no opposition was expected from Moscow.

Nato defence ministers last week issued a warning of a possible withdrawal in the autumn unless the Bosnian Serbs allow the United Nations to carry out its mandate, and this could be a turning point in relations between the Serbs and the peacekeepers.

The Serbs realise it is in their interest for the UN to stay and to keep the humanitarian aid supplies flowing. There are Serb families living in Bosnian government-controlled areas of Sarajevo who need UN food. Yesterday several tonnes of food destined for Muslims in besieged Zepa were given to Serbs, UN officials in Sarajevo said.

Flurry of summits

WORLD leaders embark on a series of meetings between now and the end of the month as the international community grapples with a series of urgent problems, dominated by the former Yugoslavia (Eve-Ann Prentice writes).

The gatherings include a meeting of European Union foreign ministers in Luxembourg today and tomorrow, and Lord Owen, outgoing co-chairman, presiding at his last meeting of the International Conference on the Former Yugoslavia in Geneva tomorrow. On Wednesday, President Clinton meets President Chirac of France and Jacques Santer, the European Commission President, during an EU-American summit.

On Thursday, the two-day G7 Summit of the world's seven leading industrialised countries opens in Halifax, Nova Scotia. On Saturday, EU foreign ministers are expected to meet again. On June 26, European leaders meet in Cannes to mark the end of the French EU presidency and the beginning of the Spanish term at the helm of Europe.

Wit with the personal touch

FROM NICHOLAS GEORGE IN STOCKHOLM

CARL BILDT, who is replacing Lord Owen as the European Union's negotiator for the former Yugoslavia, is far better known in Moscow than at the heart of the peace process in Geneva.

The former Swedish Prime Minister, 45, has close ties with Andrei Kozyrev, the Russian Foreign Minister, who was first on his list when he set out to begin meeting the key figures in the Balkan crisis at the weekend. Mr Bildt developed his friendship with Mr Kozyrev during talks on the withdrawal of Russian troops from the Baltic republics, and the pair became so friendly that the then Prime Minister even helped Mr Kozyrev in his election campaign.

Mr Bildt speaks faultless English and good German

Bildt has outstanding powers of concentration

and was tipped as an outsider to become head of the new World Trade Organisation. His powers of concentration are legendary, often working through a pile of papers while simultaneously conducting an interview in a foreign language. But his sharp, some say arrogant, ways, have not endeared him to the Swedish people, who prefer their politicians to be more humble and down to earth. He is respected rather than liked by Swedes, though most foreigners find him witty and accessible.

As conservative Prime Minister from 1991 to 1994, he was eager for Sweden to become more involved in mainstream European politics, campaigning forcefully for EU membership and attempting to dispense with the country's long-held attachment to neutrality. He was instrumental in sending Swedish troops to the Tuzla area of Bosnia, where they are still serving.

Apart from his undoubted intellect, his strongest asset will be his personal contacts with international leaders, including President Clinton and John Major.

Maura Magaharan, a cousin, greets Captain Scott O'Grady yesterday at Shannon, where he met relatives

Hero worship hides horrors of war

FROM BEN MACINTYRE IN NEW YORK

IN THE three days since he was rescued from a Bosnian forest, the American fighter pilot Captain Scott F. O'Grady has been transformed from a soldier who did what he was trained to do into a full-blown, Hollywood-style hero.

As he headed back to America yesterday for a hero's welcome, the pilot's return began to take on the appearance of a triumphal march, complete with a stop at Shannon airport in Ireland for a meeting with his Irish relatives.

Captain O'Grady might be following a script tailor-made to endear him to the American public: he has credited God and the Marines for his deliverance; he has agreed to appear on the David Letterman television talk show, and he has burst into tears on screen after referring to himself as "a scared little bunny rabbit".

Eating insects and grass and squeezing rainwater from his socks, the 29-year-old pilot hid for six days after his F16 was shot down by a Serb missile. That was a highly commendable piece of soldiering, the bravery of which has been partly undermined by the flood of fanfare and hype that followed it.

He seems to have been affected almost more by the pressures of publicity than his harrowing experience on the ground in Bosnia, which seems to explain his flood of tears at Saturday's press conference, and his remark: "I'm not a hero. All I was was a scared little bunny rabbit, trying to hide, trying to survive. They were trying to kill me," a tear-stained Captain O'Grady said, at an event that sometimes seemed closer to Oscar night than a military press briefing. Old soldiers will no doubt be appalled at such unmanly behaviour, but in America the New Man in the public eye is expected to cry copiously and often. No one can remember how many times President Clinton has wept openly during his Administration.

O'Grady: tears from "scared bunny rabbit"

Mr Clinton gave the game away within a few hours of the rescue when he observed that the pilot's saga would make "a great movie". Sure enough, Hollywood agents have deluged the O'Grady family home in Virginia with offers for the film rights to the real-life *Top Gun* story.

Captain O'Grady, meanwhile, who just over a week ago was a capable, if unexceptional, pilot on Nato patrol, is suddenly the leading actor in his own film production.

The remaking of Captain O'Grady as a Hollywood icon could be seen simply as further evidence of the strange confusion in American life between news events and their instant transformation to film. But the episode may also affect the war that has now been relegated to a mere backdrop in many American news reports.

With an all-American hero on its hands, the Clinton Administration has been able to draw at least a temporary veil over its wobbling policy on Bosnia, while the American public, largely indifferent to the conflict, can celebrate a straightforward act of heroism without having to address the complex horrors of the Balkan situation.

The rescue of Captain O'Grady was a small victory, blown up out of all proportion, in a war that has hitherto provided only defeats. He has said much about God, the Marines and America, but of the people dying every day in the former Yugoslavia and the grim war that rages there, barely a word has been uttered amid the euphoria.

Pentagon was aware Serbs had missiles

FROM IAN BRODIE IN WASHINGTON

SCOTT O'GRADY'S F16 was reported yesterday to have been shot down a day after American intelligence had spotted a surface-to-air missile system in northern Bosnia and failed to pass the information to his unit. President Clinton has ordered an immediate inquiry.

Leon Panetta, the White House Chief of Staff, would not confirm that the Bosnian Serb missile site had been found by a spy satellite of the National Security Agency, the Pentagon's intelligence-gathering arm. But, in the face of rising anger among Republicans, he said: "I can assure you we're looking into the situation to make sure it doesn't happen again."

The inquiry is to be conducted by General John Shalikashvili, Chairman of the Joint Chiefs of Staff. Only last week the general told a Senate hearing that the two F16s in the air over Bosnia had been flying without radar-jamming escort aircraft because no anti-aircraft systems had been spotted in the area controlled by the Bosnian Serbs for months, if not years.

Yet, according to a report in *The Washington Post* a satellite spotted a tracking radar signal from an SA6 missile battery near Banja Luka a day before Captain O'Grady was hit on June 2.

Kenneth Bacon, a Pentagon spokesman, said the entire mission on which Captain O'Grady had been involved was now under review to discover how it was set up, what the pilots knew beforehand and how information was passed on to them, or not. "I don't think we have a full picture yet," he added.

One change has already been made. All Nato aircraft in Operation Deny Flight will be accompanied by aircraft which can spot and jam radar from missile batteries, although on Captain O'Grady's mission the Serbs took steps to delay such detection.

Neither Captain O'Grady nor Captain Bob Wright, who was flying the other F16, had been warned about missiles, but they did see a "spike" from the ground that told them they were under attack.

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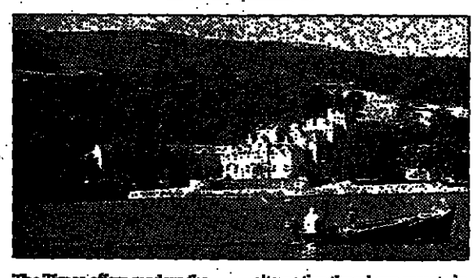

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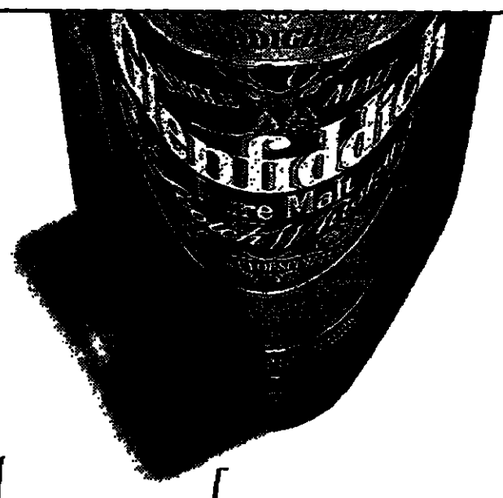

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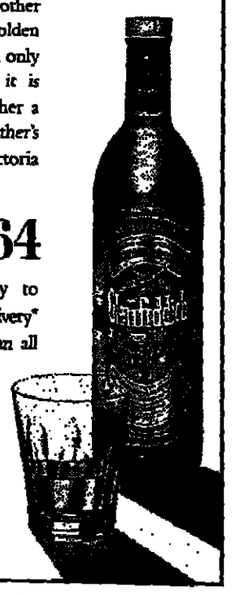

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Republican Speaker snares President on moose-hunt publicity jaunt in New Hampshire

Clinton gambles on TV showdown with Gingrich

FROM MARTIN FLETCHER IN CLAREMONT, NEW HAMPSHIRE

NEWT GINGRICH not only spotted his first four moose during his weekend visit to New Hampshire, but also snared the President.

In a remarkable coup, the House Speaker deftly engineered a nationally televised debate between himself and President Clinton last night, the first ever between holders of their offices.

The encounter before an audience of pensioners in this little old mill town promised extraordinary political theatre, Mr Clinton and Mr Gingrich being America's two most potent politicians, champions of starkly contrasting ideologies, and two of their generation's brightest and most articulate men.

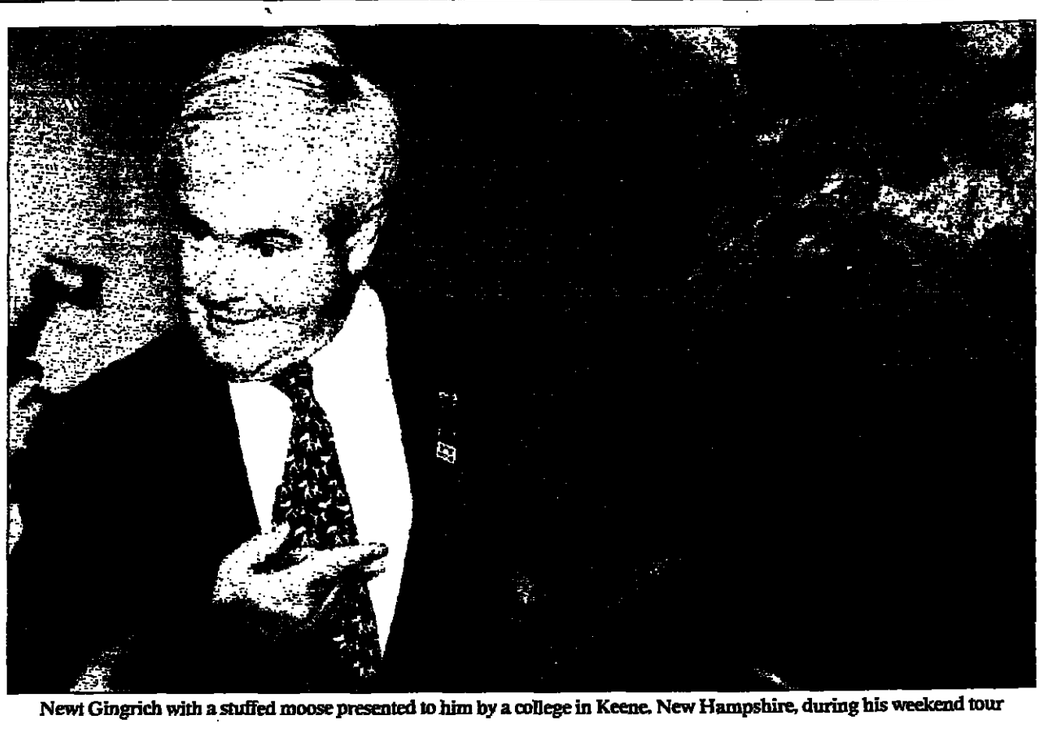
For good measure, New Hampshire holds the first presidential primary in seven months' time. The President had more to lose, but the event offered him a chance to regain the political initiative after six months of being dominated by Mr Gingrich's Republican revolution. It also prevented his visit to New Hampshire from being utterly overshadowed by the Speaker's.

For Mr Gingrich, the mere fact that Mr Clinton accepted his challenge confirmed his position as America's pre-eminent Republican, and enabled him thoroughly to eclipse his party's nine declared presidential candidates, who could only dream of a debate with Mr Clinton.

The event came about because both men happened to be visiting this tiny state: Mr Clinton to address Dartmouth College, and Mr Gingrich ostensibly to spot moose, but in reality to test the waters for a presidential bid.

The Speaker seized on a jocular remark by Mr Clinton to the effect that he would like to introduce his nemesis to New Hampshire, and the President suddenly found he could not back down without looking scared. All he could do was insist that Mr Gingrich joined him at a pre-arranged picnic for pensioners fearful of Republican plans to cut their Medicare health insurance programme.

If the debate seemed destined to enter the annals of New Hampshire's long and colourful political history, so too did Mr Gingrich's great moose hunt, which began just before dusk on Saturday when three helicopters carrying the animal-loving politician and his entourage alighted on the green of the charming village of Jackson in the remote White Mountains.



Newt Gingrich with a stuffed moose presented to him by a college in Keene, New Hampshire, during his weekend tour

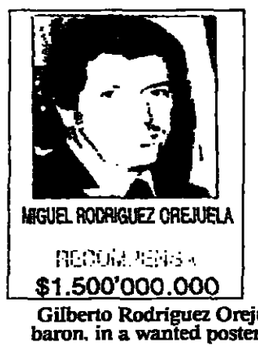
The beaming Speaker, his round figure stuffed miraculously into a check shirt and tight blue jeans, was greeted by Jackson's entire population. He signed autographs, posed for pictures with children wearing plastic moose hats, then climbed into a limousine belonging to his friend Bill Zeliff, the local congressman who arrived magnificently attired in a loud Stars and Stripes shirt. With police, press and half the village in pursuit, Mr Gingrich led a mighty motorcade up Route 16 towards Canada, periodically jumping out to peer into the darkened woods amid a scrum of flashing cameras and jostling journalists. Elaborate preparations had been made for the Speaker's visit. Moose had been tracked and their habits noted. They had inexplicably now vanished. After two hours of futile toiling around New Hampshire's northern highways, pitch darkness finally forced the forlorn Speaker and his dwindling motorcade to retire moose-less for the night.

But at 5am Mr Gingrich was out again, his entourage diminished by pouring rain — and this time he triumphed.

Between the debate and the moose hunt, Mr Gingrich swept around the state just like the presidential candidate he insisted he was not. As media battalions struggled vainly to keep up, his helicopter ferried him to breakfasts, picnics, "hoe down" dances, meetings with venerable state politicians and an audience with Nackey Loeb, publisher of the influential *Manchester Union Leader*, for whose endorsement all presidential candidates yearn.

Last week, the newspaper urged Mr Gingrich to run, calling him a conservative "standard bearer who is ideologically pure".

A string of polls showed only modest support for a Gingrich candidacy, but the figures were belied by his reception. For Mr Gingrich, the weekend was one long flirtation: an exercise in calculated ambiguity about his intentions.



Gilberto Rodriguez Orejuela, the alleged cocaine baron, in a wanted poster, left, and after his arrest

Bomb kills 23 in Medellín as drug baron is arrested

BY OUR FOREIGN STAFF

AT LEAST 23 people were killed and more than 200 injured when a shrapnel bomb in the base of a sculpture near police headquarters exploded in the middle of a street music festival in Colombia's second-largest city of Medellin. Several children were among the dead.

It was not immediately clear whether drug traffickers or Marxist guerrillas were responsible for the bombing late on Saturday. The explosion was the country's worst single terrorist act in more than four years. A suspect was arrested.

It was the first such attack since President Samper began a crackdown on the country's most powerful drug cartel. It came only a day after police arrested Gilberto Rodriguez Orejuela, the country's most wanted cocaine baron. The location of the blast was unusual for rebel attacks, which are generally directed at security forces.

General Alfredo Salgado, the Medellín police chief, said the dead and injured were "hurt by the explosion of a device that was put here during a street party for humble people who don't deserve this".

Five people were killed instantly and the remainder died on their way to hospitals. Many of the victims were street vendors, their bodies mutilated by scores of nuts, bolts and nails that were wrapped up with the bomb. Red Cross officials appealed for blood donors and the casualty wards of clinics and hospitals were overflowing with victims.

Asked who planted the bomb, General Salgado noted that Marxist rebels from the Revolutionary Armed Forces of Colombia (FARC) had recently celebrated their thirty-first anniversary and the Day of the Guerrilla. "It's possible that it was an absurd action by those demented elements," he said. The suspect was caught by police about 30 minutes before the explosion, allegedly carrying five coffee jars filled with gunpowder.

The blast happened as the festival of music from Colombia's coastal regions was ending. Up to 5,000 people had attended the event, said Ramiro Carvajalino, the organiser, but the audience had dwindled to about 1,500 at the time of the explosion. "We don't understand why something like this happened at a festival of happiness and peace," he said.

Sergio Naranjo, the Mayor of Medellin, said the blast ripped through San Antonio Park in the city's central area close to police headquarters and a statue of a bird recently erected by the sculptor Fernando Botero, father of the Defence Minister, who has the same name.

The last big bomb attack in Colombia was organised by Pablo Escobar, the former Medellín drug cartel boss, at a shopping centre in Bogotá in April 1993, which killed 13. Since Escobar was shot dead by police in December 1993, Colombia has been relatively calm and Medellin has been struggling to recover the peace it enjoyed before Escobar's drug wars in the 1980s.

In 1989, the Medellin cartel carried out two of Colombia's worst bombings. In November, a bomb killed all 107 people on a domestic airliner. A month later, a car bomb killed 63 people and injured 700 outside the headquarters of the secret police in Bogotá, the capital.

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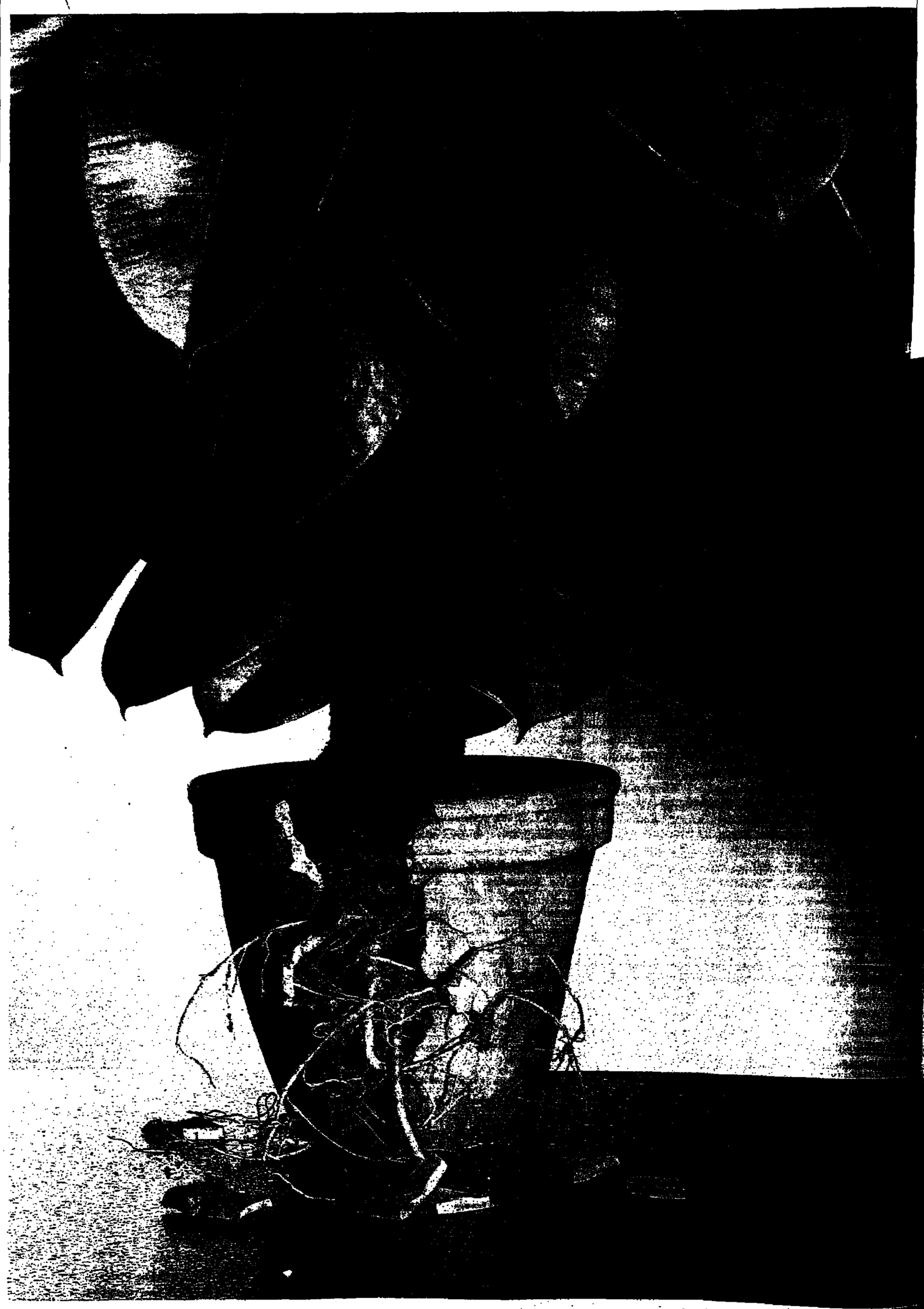

Christopher lifts hope of Middle East peace

FROM CHRISTOPHER WALKER IN JERUSALEM

THE pace of Middle East peace diplomacy quickened further yesterday when Warren Christopher, the American Secretary of State, said that Israel and the Palestinians were determined to complete an agreement on the long-delayed second stage of self-rule in the occupied West Bank by July 1.

After talks in Jericho with Yassir Arafat, the chairman of the Palestine Liberation Organisation, Mr Christopher maintained the uncharacteristic mood of optimism that has dominated his thirteenth and most successful peace-brokering tour of the region. "They are both determined, I believe, to reach an agreement within the time-frame on the issues in phase two," he said.

Reflecting the upbeat mood that has suddenly transformed the flagging peace process, Mr Christopher said earlier that President Clinton would make a return trip to Syria and Israel if it were necessary to secure a deal after talks at chief-of-staff level resume in Washington on June 27. The President "thinks that this is of such importance that he is prepared to do that", he said in Damascus.

In a separate development, Israel radio reported that, as a result of Syria agreeing to restart military talks broken off after only one abortive meeting in Washington last December, Lebanon — regarded as a client state of Damascus — had also indicated that it was ready for military negotiations on a further peace deal. By July 1, referred to previously by Yitzhak Rabin, the Israeli Prime Minister, as "a target date and not a deadline", Israel and the PLO are due to agree a blueprint for Israeli troop redeployment from all the main cities in the West Bank and the details of a Palestinian election in which Mr Arafat's standing will be tested at the ballot box for the first time.

Mr Christopher clinched formal Syrian agreement to resume the Washington talks at the level of chiefs of staff during talks in Damascus on Saturday with President Assad. This was followed by more optimistic remarks in the official Syrian press, which has suddenly adopted a much less stringent tone towards Israel.

After the main round of talks between General Hikmat Shihabi of Syria and Lieutenant-General Amnon Shahak of Israel, there will be a break of about two weeks during which Dennis Ross, the chief US Middle East strategist, will visit the region again for more consultations with Mr Assad and Mr Rabin. Mr Ross has recently had four hours of talks with General Shihabi, at which essential details of security arrangements after an Israeli withdrawal from the strategic Golan Heights were discussed.

Under the new timetable, which Mr Christopher's aides believe can secure a peace deal by the end of this year, the initial Washington meeting will be followed by talks on security between teams of military officers. The Syrian and Israeli ambassadors in Washington will discuss non-security issues, such as the timing of an Israeli withdrawal from the land conquered in 1967.

Shimon Peres, the Israeli Foreign Minister, said in Washington yesterday that the reopened negotiations with Syria would be the most important of any conducted with Arab parties so far. If successful, there could be a comprehensive Middle East peace.

☐ **Mosques closed:** The Israeli Army closed two mosques in the West Bank which were suspected of being centres of militant Islamic activity. One, in Hebron, was shut for six months and another, near Nablus, was closed for three months. *(Reuter)*

Leading article, page 19

Brandi, the American model, wears a Valentino gown featuring the word "peace" embroidered in thirteen languages during a fashion show given by top world designers in Caesarea, Israel

Zirconium hoard discovered in Cyprus warehouse

FROM MICHAEL THEODOULOU IN NICOSIA

AN INTERNATIONAL investigation has been launched after customs officials in Cyprus discovered at the weekend that 35 tonnes of zirconium, a metal used in nuclear reactors, had been lying in a warehouse in Limassol for three years.

Another ten tonnes from the same consignment left Cyprus last week by ship for Rotterdam en route to Austria. Dutch and Austrian customs officials were alerted on Saturday. Cypriot customs officials said the consignment was not linked to a global undercover "sting" operation by US federal agents posing as buyers for Iraq that last Thursday netted five tonnes of zirconium in New York and two tonnes in Cyprus.

The 45 tonnes of zirconium found on Saturday afternoon arrived in May 1992 in two shipments on Aeroflot flights from Russia addressed to a Russian offshore company in the southern port of Limassol, centre of the island's growing expatriate Russian business community and a tourist resort.

Officials said it was impossible to say yet whether any of the zirconium, worth over £6 million, was destined for countries keen to obtain it illegally. The West has expressed fears that the Russian mafia may acquire stocks of nuclear materials from the former Soviet Union to sell to terrorist groups or countries with secret nuclear weapons programmes.

"Right now, it appears to have been a legitimate import," said Demetrios Hadjicostis, the chief customs investigation officer in Cyprus. The shipments were labelled "in transit" and the zirconium was in a non-radioactive state, he added.

It was after the US sting operation's haul on Thursday that customs agents in Cyprus decided to search all public and private warehouses in case there was any more zirconium on the island.

Only then did customs officials discover the 45-tonne hoard and learn that ten tonnes had left on Thursday aboard *The City of London*, bound for Rotterdam.

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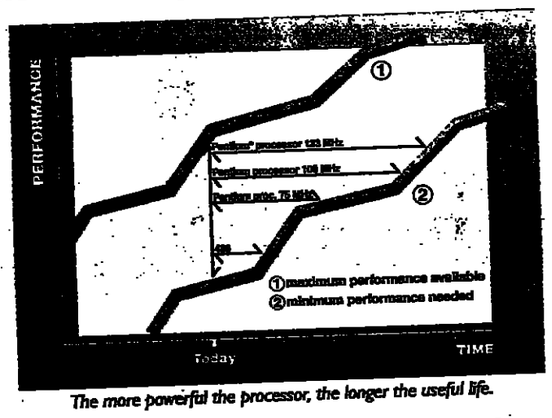

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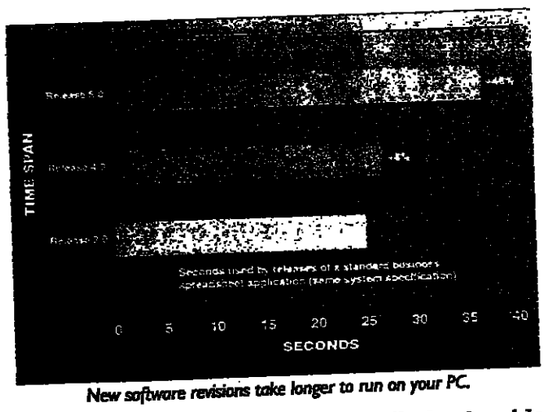

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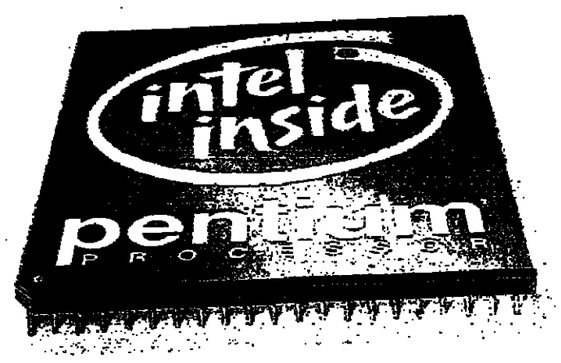

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Anti-junta activists seized in Nigeria

BY SAM KILEY
AFRICA CORRESPONDENT

NIGERIA'S military junta seized nine pro-democracy activists, as part of a crackdown before today's second anniversary of annulled multi-party elections, amid growing international pressure on the generals to step down.

Police in Lagos said they were prepared for demonstrations against the junta led by General Sani Abacha and in support of Chief Moshood Abiola, who was assumed to have won the elections and was arrested two years ago when he declared himself winner.

The nine supporters of democracy were arrested on Saturday by ten secret service agents backed by 500 armed police who raided the offices of lawyer Gani Fawehinmi, who managed to escape.

Many of his colleagues, some of them renowned authors, have been less lucky. Nobel prize-winning writer Wole Soyinka has been forced to live in a form of exile after being harassed by the regime's security men. Ken Saro-Wiwa, another well-known author, is on trial for his part in the alleged murder of Ogoni tribal leaders.

The secret proceedings have been condemned by Amnesty International, which has pointed out that prosecutions of the author stem largely from his championship of the rights of the Ogoni, on whose land much of Nigeria's oilfields lie but who have gained little from it.

Tensions between civilians are the armed forces are set to increase today after a call last week by what remains of the Campaign for Democracy, a broad-based organisation, for a "stay at home" in support of Chief Abiola and a return to democracy.

"We know June 12 is approaching and there may be one problem or the other, so we are prepared for that," the Lagos State Police Command spokesman, Isaac Akinmoyede, said. General Abacha has extended a ban on opposition newspapers, including Chief Abiola's *Concord*, for an extra six months. Over the weekend he ordered extra police into Lagos and other potential flashpoints and decreed a mass round-up and screening of hundreds of political figures in the capital, Abuja, on Saturday.

WORLD SUMMARY

UN team held by rebels

Nairobi: Sudanese rebels have taken three UN employees and two Sudanese government officials hostage, the UN World Food Program said. The five had flown to the town of Pariang, about 480 miles south of Khartoum, to pick up two relief agency doctors who had been arrested in May. At the airstrip, Sudan People's Liberation Army rebels commandeered the aircraft and ordered the pilot to fly to rebel-held territory. *(AP)*

Ex-soldier faces murder charge

Johannesburg: A former member of South Africa's special forces Reconnaissance Regiment, is to appear in court in Pretoria today in connection with the assassination last November of Professor Johan Heyns, an Afrikaner church leader. Heyns was labelled a traitor by the extreme Right for his opposition to the dogma that apartheid was justified in the Bible.

'Prostitutes' slur denied

Ankara: Ayvaz Gokdemir, a Turkish Cabinet minister, apologised for a statement interpreted as describing as prostitutes three visiting women Euro MPs. He denied using the phrase about the trio, including Pauline Green, of Britain, who demanded the release of jailed Kurdish deputies while in Ankara. *(Reuter)*

Buthelezi calls for protest

Johannesburg: Chief Mangosuthu Buthelezi, leader of the Inkatha Freedom Party in South Africa, called for a campaign of non-violent protest against President Mandela's Government "in defence of freedom, pluralism and democracy". *(Reuter)*

Sailors spend five days in sea

Mogadishu: Two Tanzanian sailors said they were thrown overboard from a South Korean tanker after asking for their pay. They spent five days in the Indian Ocean before fishermen rescued them. *(Reuter)*

A cutting forest tale of Sting 'hypocrisy'

FROM GWEN ROBINSON IN TOKYO

A JAPANESE advertising bonanza has turned sour for Sting, the rock singer and environmentalist, after a Tokyo magazine revealed that he accepted an estimated £500,000 to promote a lavish resort which entailed the destruction of a vast pine forest in Miyazaki, western Japan.

The offending advertisement features Sting leaning against one of the few remaining trees in the sprawling resort complex, gazing at a golf course, and saying: "Miyazaki, I love it." Like dozens of other foreign celebrities who perform absurd antics and spout inane lines to promote Japanese products, Sting had an agreement that the advertisement would not be seen outside Japan.

It ran on Japanese television for several months without comment, and may have escaped overseas scrutiny altogether had it not been for an exposé by *Tokyo Journal*, the local version of *Time Out*. The magazine interviewed disgruntled environmentalists and Miyazaki residents who raged about Sting's "hypocrisy".

ARTS THE WEEK AHEAD

■ VISUAL ART

How the National Gallery will continue to *benefit from Heinz* Berggruen's generosity

ON SHOW: Now
REVIEW: Tomorrow

■ JAZZ

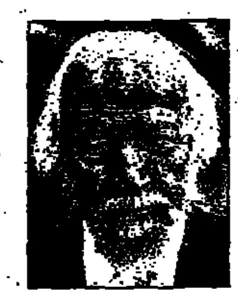
Guitarist Pat Metheny brings his group, his fizz and his fusion to the Festival Hall

GIG: Tonight
REVIEW: Wednesday

■ THEATRE

Toyah Willcox swops punk for Puck as *A Midsummer Night's Dream* goes alfresco in Regent's Park

OPENS: Wednesday
REVIEW: Friday



■ BOOKS

William Golding's last, incomplete novel, *The Double Tongue*, imagines a woman's life in ancient Greece

IN THE SHOPS: Now
REVIEW: Thursday

TODAY'S EVENTS

A daily guide to arts and entertainment compiled by Kris Anderson

LONDON

A MIDSUMMER NIGHT'S DREAM: Robert Lang plays Bottom, with Toyah Willcox as Puck, in John Doyle's production of, inevitably, the Park's most performed play.
Open Air, Regent's Park, NW1 (0171-486 2431). Previews tonight and Tue, opens Wed, 8pm. Then in rep

ROMANTIC HEROES The Philharmonia Orchestra celebrates classical music's "epic era" with a series of three concerts. Tonight's programme is devoted to snippets of Wagner favourites, ending with the popular *The Ride of the Valkyries*. Yondani Butt conducts.
Barbican, Silk Street, EC2 (0171-638 8891). Tonight, 7.30pm. Then June 27 and July 8 ▧

LIFT OFF The London International Festival of Theatre gets under way today with *Jozi Jozi*, a lively a cappella musical about downtown Jo'burg. A Market Theatre Company production.
Theatre Royal, Gerry Raffles Square, E15 (0181-534 0310). Opens tonight, 8pm. Then Mon-Sat, 8pm, mats June 22, 2pm and June 24, 3pm ▧

ELSEWHERE

BIRMINGHAM: Opening night for Janice McKenzie as the troubled heroine in Anne Brontë's **The Tenant of Wildfell Hall**, adapted by Lisa Evans and directed by Gwenda Hughes — the partnership that created the excellent *East Lynne* two years ago.
Repertory Studio, Centenary Square (0121-236 4455). Tonight, 7.45pm. Then Mon-Sat 7.45pm, mats June 15 and 24, 3.15pm. Until July 1. ▧

CHICHESTER: Alan Ayckbourn directs his own musical, **A Word from our Sponsor**, direct from its Scarborough run: the Devil intervenes in the production of a Mystery Play. Postponed from last week following the death of Sophie Winter, whose role as Gussie is now played by Phyllida Hancock.
Minerva Studio, Oaklands Park (01243 781312). Previews tonight-Thurs; opens Fri, all at 7.45pm. Then Mon-Sat 7.45pm, mats Wed and Sat 2.45pm. Until July 8

MOLD AND CARDIFF: A celebration of international children's theatre arrives for a week of fun and frolics. Fred Garbo, a veteran performer for *Sesame Street*, presents a brilliantly imaginative combination of mime, comedy, magic and acrobatics while Japan's Theatr Kaze-No-Ko specialises in spell-binding illusions made with hands, paper and everyday objects. They even turn a cardboard box into Elmer the multi-coloured elephant! "Beg, borrow or steal" a ticket.
Theatr Clwyd, Mold ▧ (01352 755114). Tonight-Sat. **Sherman**, Cardiff, ▧ (01222 230451). Tomorrow-Sat. Check box offices for schedule.

SHEFFIELD: Opening night for Richard Cottrell's production of **The School for Scandal**. Honor Blackman, Dora Bryan, Ian Carmichael and Dinsdale Landen star in Sheridan's comic masterpiece, which transfers to Chichester in July.
Crucible, Norfolk Street (0114-276 9922). Tonight, 7.30pm. Then Mon-Sat, 7.30pm, mats June 21 and July 1, 2.30pm. Until July 1. ▧

LONDON GALLERIES

Barbican: *George Rodger Retrospective* and *Jorg Immendorff: The Rake's Progress* (0171-638 4141) . . **Hayward**: *Landscapes of France* (0171-928 3144) . . **National Gallery**: *Gombrich on Shadows* (0171-839 3321) **National Portrait Gallery**: *The Road from 1945* (0171-306 0055) . **Royal Academy**: *Summer Exhibition* (0171-439 7438) . **Tate**: *Turner in Germany* (0171-887 8000) . . . **V & A**: *The Genius of Wedgwood* (0171-938 8500)

THEATRE GUIDE

Jeremy Kingston's assessment of theatre showing in London

■ House full, returns only
▧ Some seats available
☐ Seats at all prices

☐ **ABSOLUTE HELL**: Rodney Ackland's portrait of feckless bohemians in the summer of 1945 is a fascinating rediscovery, played by a top-class cast headed by Judi Dench and Greg Hicks.
National (Lyttelton), South Bank, SE1 (0171-928 2252). Tonight, 7.30pm, Tue, 2.15 and 7.30pm ▧

▧ **AFTERS**: Swift return for K. Carney's praised first play in which rambling pub talk develops into a moving revelation of hopes and fears.
Old Red Lion, St John's Street, EC1 (0171-837 7816). Opens tonight, 8pm. Then nightly, except June 19, 8pm. Until June 24

☐ **AMPHITRYON**: Kleist's tragi-comic version of the old tale about divine trickery in the marriage bed. Creditable revival by David McVicar.
Gate, 11 Pembridge Rd, W11 (0171-229 0706). Mon-Sat, 7.30pm

☐ **DEALER'S CHOICE**: Patrick Marber's fascinating poker drama: funny one-liners abound, along with perceptions of the roots of gambling.
Vaudeville, Strand, WC2 (0171-836 9987). Mon-Fri, 7.45pm, Sat, 8.15pm; mats Wed, 3pm and Sat, 5pm.

☐ **THE DUCHESS OF MALFI**: Final week of performances for Juliet Stevenson and Simon Russell Beale in Webster's tragedy of incest, murder and the borderland of the mind.
Wyndhams, Charing Cross Road, WC2 (0171-369 1746). Tonight-Sat, 7.30pm, mats Wed and Sat, 3pm

☐ **FIVE GUYS NAMED MOE**: The joint is jumping again now that Clarke Peters's celebrated musical has bounced back into the West End.
Albery, St Martin's Lane, WC2 (0171-369 1730). Mon-Thurs, 8pm, Fri and Sat, 6pm and 8.45pm

☐ **HARVEY**: Laid back performance by Gorden Kaye in very thin comedy about an invisible Rabbit. With Rue McClanahan.
Shaftesbury, Shaftesbury Avenue, WC2 (0171-379 5399). Tonight-Sat, 7.45pm, mats Thurs and Sat, 2.30pm. Final week. ▧

☐ **THE KILLING OF SISTER GEORGE**: Miriam Margolyes plays the tweedy soap heroine in Frank Marcus's excellent comedy with a bite. Serena Evans and Josephine Tewson play her treacherous companion and boss.
Ambassadors, West Street, WC2 (0171-836 6111). Mon-Fri, 8pm, Sat, 8.30pm, mats Thurs, 3pm and Sat, 5.30pm

☐ **THE ROCKY HORROR SHOW**: The Undead pose and prance again. Brad, Janet, Frank N Furter and Riff-Raff back in the West End for the umpteenth time. Robin Cousins and Nicholas Parsons in the company.
Duke of York's, St Martin's Lane, WC2 (0171-836 5122). Mon-Thurs, 8.15pm, Fri and Sat, 7pm and 9.30pm ▧

▧ **THE WIVES' EXCUSE**: Thomas Southerne's 1691 comedy where an injured wife resists revenge against her oafish husband. Clive Wood and Lesley Manville excellent as a pair of lechers but the work is a minor rediscovery.
Pit, Barbican, Silk Street, EC2 (0171-638 8891). Tonight and Tue, 7.15pm ▧

LONG RUNNERS

☐ **Blood Brothers**: Phoenix (0171-867 1044) . . ☐ **Copacabana**: Prince of Wales (0171-839 5972) . . ☐ **Crazy for You**: Prince Edward (0171-734 8951) . . . ☐ **Don't Dress for Dinner**: Duchess (0171-494 5070) . . ☐ **In Praise of Love**: Apollo (0171-494 5070) . . ▧ **Indian Ink**: Aldwych (0171-416 6003) . . ▧ **Miss Saigon**: Theatre Royal (0171-494 5400) . . ☐ **My Night With Reg**: Criterion (0171-839 4488) ☐ **She Loves Me**: Savoy (0171-836 8888) . . . ☐ **Starlight Express**: Apollo Victoria (0171-828 8665) . . ▧ **Sunset Boulevard**: Adelphi (0171-344 0055) ☐ **The Woman in Black**: Fortune (0171-836 2238)

Ticket information supplied by Society of London Theatre.

CINEMA GUIDE

Geoff Brown's assessment of films in London and (where indicated with the symbol ♦) on release across the country

NEW RELEASES

♦ **THE BRADY BUNCH MOVIE** (12): Adventures of an unnaturally wholesome LA family. Endearing send-up of the 1970s sit-com, with Shelley Long and Gary Cole. Director, Betty Thomas.
Empire ▧ (0800 888911) **MGMs: Baker Street** (0171-935 9772) **Trocadero** ▧ (0171-434 0031) **UCI Whiteleys** ▧ (0171-792 3332)

♦ **JACK & SARAH** (15): Tame British comedy about one man, one baby, one nanny and the in-laws. Not for macho males. With Richard E. Grant, Samantha Mathis. Director, Tim Sullivan.
Barbican ▧ (0171-638 8891) **Gate** ▧ (0171-727 4043) **MGMs: Fulham Road** (0171-370 2636) **Haymarket** (0171-839 1527) **Trocadero** ▧ (0171-434 0031) **Richmond** (0181-332 0030) **Screen/Baker Street** (0171-935 2772) **Screen/Green** (0171-226 3520) **UCI Whiteleys** ▧ (0171-792 3332) **Warner** ▧ (0171-437 4343)

KILLER (18): Hit man loves his intended target. Neat, knowing thriller with Anthony LaPaglia, Mimi Rogers.
MGMs: Chelsea (0171-352 5096) **Tottenham Court Road** (0171-636 6148) **Trocadero** ▧ (0171-434 0031) **Warner** ▧ (0171-437 4343)

♦ **KISS OF DEATH** (18): Ex-con David Caruso is forced to infiltrate Nicolas Cage's gang. Flashy thriller that wastes its potential. Director, Barbet Schroeder.
Clapham Picture House (0171-498 3323) **MGM Chelsea** (0171-352 5096) **Odeons: Kensington** (01426 914666) **Swiss Cottage** (01426 914098) **West End** (01426 915574) **Screen/Baker Street** (0171-935 2772) **UCI Whiteleys** ▧ (0171-792 3332)

SIX DEGREES OF SEPARATION (15): Excellent version of John Guare's play about smart New Yorkers hoodwinked by an imposter. With Stockard Channing and Donald Sutherland.
Barbican ▧ (0171-638 8891) **Clapham Picture House** (0171-498 3323) **MGMs: Fulham Road** ▧ (0171-370 2636) **Haymarket** (0171-839 1527) **UCI Whiteleys** ▧ (0171-792 3332)

CURRENT

BULLETS OVER BROADWAY (15): Diverting Woody Allen comedy set in New York's theatre world of the 1920s. With John Cusack, Chazz Palminteri, Dianne Wiest.
Chelsea (0171-351 3742) **MGM Tottenham Court Road** (0171-636 6148) **Odeons: Haymarket** (01426 915353) **Kensington** (01426 914666)

♦ **BYE BYE LOVE** (12): Three divorced dads spend a fractious weekend with their kids. Facile comedy for male baby boomers, with Matthew Modine, Paul Reiser and Randy Quaid.
Warner ▧ (0171-437 4343)

♦ **DON JUAN DEMARCO** (15): Refreshing and quirky romantic fantasy about a man who thinks himself to be Don Juan. With Johnny Depp, Marlon Brando and Faye Dunaway.
MGMs: Fulham Road (0171-370 2636) **Shaftesbury Avenue** (0171-836 6279) **Notting Hill Coronet** ▧ (0171-727 6705) **Plaza** (0800 888997) **UCI Whiteleys** ▧ (0171-792 3332)

ED WOOD (15): Tim Burton's wonderful biography of the bizarre man voted the world's worst film-maker. With Johnny Depp and Martin Landau.
Clapham Picture House (0171-498 3323) **Lumiere** (0171-836 0691) **MGMs: Haymarket** (0171-839 1527) **Odeons: Swiss Cottage** (01426 914098) **UCI Whiteleys** ▧ (0171-792 3332)

EXOTICA (18): Inventive variations on the theme of voyeurism from quirky Canadian director Atom Egoyan.
MGM Swiss Centre (0171-439 4470) **Renoir** (0171-837 8402)

♦ **ONCE WERE WARRIORS** (18): Forceful New Zealand tale of Maori culture ravaged by the urban ghetto. Lee Tamahori directs a powerful cast.
MGM Piccadilly (0171-437 3561)

♦ **ROB ROY** (15): Lavish but fusty epic, with Liam Neeson as the Scottish folk hero, Tim Roth heading the baddies and Jessica Lange, John Hurt and Brian Cox.
MGMs: Baker Street (0171-935 9772) **Chelsea** (0171-352 5096) **Odeons: Kensington** (01426 914666) **Leicester Square** (01426-915 **Marble Arch** (01426 914501) **Swiss Cottage** (01426 914098) **UCI Whiteleys** ▧ (0171-792 3332)

♦ **TALES FROM THE CRYPT: DEMON KNIGHT** (18): Lively spin-off from the television series, featuring gore, glop and juvenile humour.
MGM Trocadero ▧ (0171-434 0031) **Plaza** (0800 888997)

THEATRE: David Edgar's Balkan play retains its lively debate; Orwellian terror writ large

Swayed by prose and icons

DONALD COOPER

A group of art historians comes face to knee with political reality in the RSC production of David Edgar's *Pentecost*

Pentecost
Young Vic

Having just returned from Macedonia, where I saw people excavating archaic beneath Hellenistic beneath Roman beneath Byzantine beneath Ottoman remains, I find the edifice in which David Edgar's Balkan play is set only too plausible. It has variously been an Orthodox and a Roman Catholic church, a mosque, a Nazi prison, a stables, a museum of atheism and a storehouse for spuds. There are parts of Europe where history is so layered, so textured that you must think vertically more than horizontally if you are to understand the complexity of ethnicity and the ludicrous simplicity of nationalism.

Indeed, that is one of the main points Edgar makes in *Pentecost*, hugely successful in Stratford last year and now launching the RSC's four-month season at the Young Vic. And he has plenty more to add to a play that rapidly becomes a lively Shavian debate. By the end of its three-and-a-quarter hours he has touched on the relation of East and West, the refugee problem, cultural imperialism and the intricacies of language, not to mention the value of fine art and even sponsorship.

In the Young Vic there are columns, church filigree, Byzantine brickwork and a painting of heroic workers, below which lies the pietà whose discovery gets the evening going. When was it painted, and by whom? What is to be done with a fresco so realistic it seems to pre-Giotto Giotto himself? Soon the art historians are at each others' throats, along with politicians, the clergy and the local Fascists. Certainly, you get a feeling of the turbulence that can ensue when a Communist country blunders its way back to what was anyway a pretty confused and insecure "normality".

With Charles Kay exuding extremes of fastidious preciosity as an English art expert, Linal Haft as his blunt and boorish American rival, and Jan Ravens excitedly floundering in between, the play's first half passes briskly enough. It combines the stimulus of a detective story with that of a good after-dinner argument.

As at Stratford, I was less impressed by the second act, when Edgar's church takes on yet another function. It becomes the redoubt of a group of asylum-seekers turned terrorists from Sri Lanka, Kuwait, Bosnia and other exemplary hellholes. The result is a melodrama of ideas, again after the Shavian model; but when these desperate people started exchanging folk tales in their respective languages, oblivious of the SAS outside, I found my belief becoming dangerously unsuspended.

Again, is it credible that they should think that by taking art historians hostage they can blackmail their way to respectable havens in Germany and America? And, on the art-history side, is it conceivable that a 12th-century Arab could be inspired by Islam to paint a Renaissance fresco propagating Christian resignation, as Edgar suggests? Of course not. But although the answer in each case is no, the energy of Michael Attenborough's production and the sheer mental passion of Edgar's writing should bounce you into buying the impossible at the time.

BENEDICT NIGHTINGALE

Down and out in parish and London

Actor and adapter: Sarah Mowat and Angus MacKechnie

A Clergyman's Daughter
Southwark Playhouse

A YOUNG woman is asleep in her iron bed. Three other actresses and three actors, dressed in matching brown suits, sit to right and left of her, listening to the amplified tick of an alarm clock. Their feet start scraping the floor in time to the ticking. Suddenly the alarm screeches and the woman stirs. But now the six watchers are upon her, writhing in ugly sexual parodies across her body. As abruptly as it began, it is over: the nightmare fades and the figures of the dream become her father snoring in the next room, and stage-hands moving furniture into place for the next scene.

George Orwell did not begin his novel with so explicit a rendering of his heroine's repressed fears. Published, somewhat censored, in 1935, it could only hint at something nasty seen in the woodshed of her childhood. But in extracting this play for the Terra Firma theatre company, Angus MacKechnie wants to place in our minds a vivid image to help us to understand Dorothy's timidity whenever men become too inviting.

His decision is structurally wise, and simultaneously introduces us to the powerful ensemble playing of this excellent company. In giving us the strong meat of Orwell's novel, MacKechnie's adaptation retains some of the less than essential fat from Dorothy's dreadful time spent teaching at a Dothekids Hall; but the anger and the anguish is here, and the multiple role-playing reinforces the nightmarish impression of the opening scene and the hell of poverty into which Dorothy is abruptly plunged.

Her life as a daughter of all work in her father's parish is an exhausting round of duty. Sarah Mowat, brown beret firmly pulled down over her ears, shows her visiting the needy, evading gossips, organising the jumble sale, making costumes for the school play, struggling to buy provisions from a tiny allowance. And all the time she is chivvied by a reproachful conscience, here externalised into admonishments from the rest of the cast, who trail after her or cram themselves on to a bench beside the breakfast table, now urging her to address her surly father, now alarmed by his replies.

Dramatising her internal voices in this way is marvellously effective, and Patricia Doyle's authoritative direction gives opportunity for sharply focused details, without letting these slow the onward surge of events after Dorothy suffers her fit of amnesia and wakes to find herself hop-picking in Kent. From there she joins the starving poor, huddled on the chilling pavements of Trafalgar Square in a Night Town sequence, written by Orwell in the form of a play, that suggests he had read his *Ulysses*.

Back home at last, her faith lost but pious duty replacing it, Dorothy's attentive guardians return to her side, sewing sheets into togas for another pageant while Elgar's *Nimrod* soars. It makes a perfectly ironic climax to this story of fears ascendant and lessons not learnt.

JEREMY KINGSTON

ENTERTAINMENTS

ART GALLERIES

SPINK JUNE EXHIBITIONS 1 British Paintings, 7 June-4 July. 2. The Mirror of Mind: Art of Vajrayana Buddhism, 9-30 June. 3. Far Eastern Art, 9-30 June. 5 King Street SW1. Mon-Fri 9-5.30, Tues 9-7.30

OPERA & BALLET

COLISEUM 0171 632 8300 (24hr) ENGLISH NATIONAL OPERA Tomor 7.30 MAHAGONNY

Glyndebourne Festival Opera with The London Philharmonic. Tomor, Fri 16 June at 5.50pm, Sun 18 June at 4.50pm La clemenza di Tito. Please call for possible returns. Sat 17, Mon 19 June at 5.50pm Ermione Please call for possible returns Box Office/recorded information 01273 813813.

ROYAL OPERA HOUSE 0171 304 4000 for Box Off & Standby info. Tickets avail on the day The Royal Opera Tomor, Thur (Last Night) 7.30 BILLY BUDD "not to be missed" Times The Verdi Festival Ton't (First Night), Fri 7.30 STIFFELIO Wed (First Night), Sat 7.30 UN BALLO IN MASCHERA

CONCERTS

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THEATRES

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■ FILM

Merchant-Ivory bring a typically sumptuous look to the period love story of *Jefferson in Paris*

OPENS: Friday
REVIEW: Thursday

■ MUSIC

At the Festival Hall, Kurt Masur shows off his revitalised New York Philharmonic Orchestra

CONCERT: Friday
REVIEW: Monday

■ OPERA

The origins of Britten's *Peter Grimes* are explored in an Aldeburgh gala, 50 years on

CONCERT: Saturday
REVIEW: Monday

■ POP

Rod Stewart, patron saint of sore throats, sails into Wembley at the climax of his current British tour

GIG: Saturday
REVIEW: Monday

ARTS TUESDAY TO FRIDAY IN SECTION 2

OPERA: A world premiere opens the Aldeburgh Festival; student Poulenc; Verdi at Covent Garden

Soap opera for the 12th century

Much is said about the symbolic side of Britten's *Peter Grimes*: the outsider persecuted in a tight-knit community; the plight of the homosexual. That side is important, but also dangerous: it has subsequently encouraged at least two generations of English composers to write drippy, comatose operas that are nothing *but* symbolism. They forget that *Grimes* is primarily a gripping drama of action: an inquest, a *manhunt*, a boy falling off a cliff, a storm.

Nicola LeFanu should certainly have remembered. Not only was her new opera commissioned by the Aldeburgh Festival to coincide with *Grimes*'s fiftieth anniversary; it also has similar subject-matter. Based on a supposedly true event recorded in a 12th-century East Anglian chronicle, LeFanu's *The Wildman* tells of another outsider who nvokes fear and hostility in stout Suffolk hearts.

He is a strange, mute figure whom Orford fishermen drag up from the briny. He frightens the villagers and is imprisoned in Orford Castle by the local Constable, but eventually escapes back to his watery abode.

That much is legend. But LeFanu and her librettist Kevin Crossley-Holland have tacked on a soap-opera superstructure about the Wildman (Gwion Thomas, magnificent in quasi-naked Tarzan demeanour) reawakening maternal instincts, or something, in the Constable's wife (versatile Virginia Kerr), then inspiring the Constable's son (pleasant Richard Edgar-Wilson) to seek his own freedom from apprenticeship, and finally seducing the daughter (Emma Silversides, radiant in many a florid "ooh" and "ah").

If this had been developed into powerful dramatic confrontations, it might have worked. But it soon becomes clear that LeFanu and

The Wildman
Snape Maltings

Crossley-Holland are more interested in ideas, expressed with dinner-party politeness, than in action. In particular, a parallel is drawn between the Wildman, struggling to articulate his repressed childhood trauma, and the characters who are trying to escape their allotted places in the medieval scheme of things. Long before someone sings "I must be my own man", we have realised, with a sinking feeling, that we are watching another of those drippy, psychotherapy operas in which characters "find themselves" but bore us rigid.

There are other problems. Graham Devlin's production is neat, but doesn't distract from the incongruity of hearing characters in medieval garb singing lines like "I don't give a toss". Subplots, involving cardboard villains and an expected attack by a bad baron, simply fizzle out.

Which is a pity, because LeFanu's music repays close listening. The clustered, occasionally micro-tonal blend that she evolves as a "sea sound" is fascinating; so, too, is the gradual development of a musical and verbal language for the Wildman himself. Elsewhere, arias and ensembles are well-constructed, and LeFanu's mostly gossamer scoring for 11 instrumentalists (the excellent Britten Sinfonia under Nicholas Cleobury) allows nearly every word to come through clearly.

Aldeburgh paid homage to another senior British composer on Saturday, with a sixtieth birthday concert for **Nicholas Maw** in the Jubilee Hall. Resources didn't quite stretch to a performance of Maw's most famous work — *Odyssey*, at 100 minutes the longest single-movement work ever composed. But Maw's chamber music is not flimsy either, and this meaty programme offered a substantial portrait of a composer who has always gone his own way.

Ian Brown played superbly in three of Maw's piano *Personae*, mostly cool and disquieting music that suddenly explodes into colossal crash-chords. The Sorrel String Quartet delivered Maw's epic First Quartet with admirable energy: the piece presents all its essential gestures in the first three minutes, then tussles with them for the next 35. And to lighten this load, Lucy Shelton was in suitably twinkly form for Maw's witty *Five American Folksongs*.

RICHARD MORRISON

KEITH SAUNDERS

Reawakening maternal instincts: a magnificent performance by Gwion Thomas, in quasi-naked Tarzan demeanour, as the Wildman in Nicola LeFanu's new opera

One you may have forgotten

POP

Engelbert Humperdinck
Albert Hall

ENGELBERT HUMPERDINCK has an album in the Top 20. The title, *Love Unchained*, implies that some dangerous beast has slipped its tether and is roaming willy-nilly, striking terror into normally brave hearts. Here some would rest their case.

But I have played the album and can reveal it to be not a tiger but a pussy cat, a collection of those soft-centred 1950s and 1960s hits that inspired the one-time Arnold George Dorsey to take up a singing career.

Not being one to hold a grudge, I then caught last Thursday's rare London appearance. Looking like someone from a mini-series about the American Civil War — square jaw, grey suit, important-looking waistcoat and frills at the cuff — and moving around the stage with all the spontaneity of a Thunderbirds puppet, Eng seemed an unlikely repository for the devotion a predominantly female audience so obviously felt for him. How thunderously they applauded the demeaning impersonations of Elvis, Jerry Lewis, Dean Martin and Julio Iglesias. How they roared at the most obvious sexual banter this side of a Jim Davidson show.

Given the Hump's fondness for innuendo, it seemed only too apt that he should have been plagued by problems with his equipment. One microphone after another was replaced in the latter half of a 100-minute show in which women declaring themselves to be from every country in the European Community laid roses at his feet, those cloying 1960s hits were replicated at full throttle and even his daughter Louise came out to sing.

Later on, there was a surprise announcement: a VIP was in the house ... Mr Jim Davidson, no less! At which point, so many snowy-white heads plunged stagewards for a closing version of *Unchained Melody* that you wondered if they had been told a Saga Tour was about to leave. It turned out to be Hump's best vocal of the night, but Jim was not there to hear it. He had already gone.

ALAN JACKSON

Changing batons

OVERTURES

NOT surprisingly, **Sir Colin Davis** will flaunt one of his greatest passions — the music of Berlioz — in his first concert as the London Symphony Orchestra's new principal conductor. On October 21 and 22 he will conduct performances of Berlioz's vast concert-work *Romeo and Juliet* at the Barbican. Meanwhile, another London-based maestro, **Bernard Haitink**, has been appointed principal guest conductor of the Boston Symphony Orchestra.

● WITH her autobiography about to be issued in paperback, **Marianne Faithfull** has announced a rare London concert at the Empire, W6, on July 12. It comes at the end of a European tour in which she will also perform at the Montreux Jazz Festival alongside **Van Morrison**, to whose recent tribute album *No Prima Donna* she contributed.

● THESE are stirring times for the British writer-director **Christopher Hampton**. Last week he signed a two-year deal with Twentieth Century Fox worth nearly $2 million, and requiring Hampton to write two mainstream movies which he may produce or direct.

It came in the week that Hampton won two Tony Awards for *Sunset Boulevard*, and shortly after he won two prizes at Cannes for his directorial debut, *Carrington*. As if that were not enough, Hampton is also adapting two acclaimed American books for Warner Bros: *The Secret History*, by Donna Tartt, and *A Bright Shining Lie*.

● FORMER pop idols never say die: they just lie low for a while and then attempt a comeback. Doing just that is **Matt Goss**, one older but wiser half of the former teen sensation Bros. Having spent three years in Los Angeles, he is effecting a modest return with a single called *The Key*.

Faith in a neglected work

Dialogues des Carmélites
Guildhall School

LAST time the Guildhall School of Music and Drama ventured *Dialogues des Carmélites*, 13 years ago, a student Anne Sofie von Otter trod the boards as the Old Prioress. Poulenc's opera has now returned in a new production to the GSMD, and though Thursday's opening night disclosed no new von Otters, it boasted a strong ensemble in a show that maintained the school's reputation for enterprise.

Even though the opera is rather neglected in this country, it is almost a repertory work elsewhere. So the GSMD was doing a double service: giving its students experience in an important 20th-century opera, while providing Poulenc-starved Londoners with a rare treat. No doubt the school was solving its own problem of female over-population, too: a convent of nuns is an attractive solution, but only if all those involved are up to the demands of a large-scale work with its own set of special problems.

Here they are. Robert Chevara's production misses some of the foreboding of the opening, but his staging soon tightens its grip. It is refreshingly simple and direct: though the opera — about the Carmelite sisters of Compiègne who went to the guillotine in 1794 proclaiming their faith — is an exploration of terror, both within individuals and imposed by the state, the piece cannot take an expressionist staging. Chevara catches the crisis and chaos inside the order, and his march to the scaffold has terrifying power.

Above all, the production preserves the opera's flow and continuity. The sliding steel "curtain" is turned to sensational effect at the end, but with few props and a largely bare stage, attention focuses on the plight of the sisters. Paule Constable's imaginative lighting and Lucy Hall's designs — plush red for the Marquis's house, cold grey for the convent — set the tone admirably. (Costumes are in period.)

Singing conversational French is a tough linguistic test, but most of the cast passed it well. Fiona McAndrew, a bright-voiced Blanche, brought depth to the role, balancing her longing for inner peace with a wilfulness of her little-rich-girl background. Louise Cannon, possessed of a smooth soprano, was the perfect foil as the free-spirited Constance. Looking a quarter of the age of the Old Prioress, Klara Uleman nevertheless conveyed all the undignified anger of the dying woman. Juliet Norman (Mère Marie) stood out for her exciting, focused *mezzo* and the best French of the evening. Though Terje Andersen's Chevalier needed more refinement, with nurturing he could produce the right timbre for French tenor roles.

Under Clive Timms's direction the orchestra caught both the violence and solemn beauty of the music. By refusing to give the sentimentality its head, they proved that the best way of approaching Poulenc is to play it straight. There are further performances tonight and on Wednesday.

JOHN ALLISON

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Force behind his destiny

Sir Edward Downes talks to **Rodney Milnes** about London's Verdi Festival

Tonight's revival of *Stiffelio* at Covent Garden marks the official launch of a unique and epic project, the Royal Opera's Verdi Festival, which is going to stretch out over every summer for the next seven years. Its onlie begetter is the conductor and scholar Sir Edward Downes, who dreamt it up with the former ROH opera director Paul Findlay and — typically, since he is no head-in-the-clouds scholar — dreamt it up for practical as well as musical reasons.

"We noticed that the box office always fell off around July, but when we revived *Attila* in 1991 it became clear that what brought people in was Verdi, and that this audience was in some way different from the normal one. So I said, 'why don't we do all Verdi's operas?', and went away to devise a scheme working back from 2001, the centenary of his death.

"There are 28 operas, so if we do four a year we'll get them all in." In fact — a hostage to fortune? — there are five this year: revivals of *Stiffelio*, *Ballo*, *Traviata* and *Boccanegra*, plus a new production of *I due Foscari* and a concert of the *Stiffelio* alternate, *Aroldo*.

All the right people raised the right objections: others had tried and failed, there was the question of the possible closure in 1997, a lack of real Verdi voices (a notion Downes treats with scorn). But it built up an unstoppable momentum. "Thank goodness Nicholas Payne, the new opera director, is just as enthusiastic. If he had only wanted to do the complete operas of Chabrier, we'd have been in trouble.

"Gradually people around the world got wind of it — singers, academics, everyone — and they all wanted to take part. The Verdi scholars in Italy and America are only too anxious to come: they think it's Christmas Day."

Edward Downes: global interest in the festival

And that is what has helped the momentum: it's not just the performances, but the ancillary events that have acted as a magnet to participators and audiences. Downes got into trouble at a recent press conference by half-humorously suggesting (he is a great tease) that they were going to be even more important than the performances.

"What I meant was 'rarer'. Many of the proceedings will be published. This year we have play-readings of Byron's *Two Foscari* and *La Dame aux camélias*. I'm sorry we can't do Gutiérrez's *Boccanegra*, as no one seems to be able to find the damned thing, but we have found *Le Pasteur*, source of *Stiffelio*."

Downes is especially looking forward to Philip Gossett's lecture, "The Verdi that might have been". The autograph of *Stiffelio* turned up recently in Sant'Agata, confirming the accuracy of the edition that Downes himself had made from other sources, and so did the sketches of the opera, which was composed simultaneously with *Rigoletto*. "Gossett has found that Verdi sketched Lina's cabaletta to three different melodies, one of which is what we know today as *Caro nome*, and there are *Stiffelio* words set to the duet for Gilda and the Duke."

Then there is the participation of Pierluigi Petrobelli, director of the Verdi Institute in Parma, who is bringing with him rare archive recordings for Downes to comment on in public session. "I've no idea what I'm going to hear, but there may be much to learn about freedom of rhythm and decoration, because many of these singers were heard by Verdi himself."

For the next month, then, and indeed for seven summers, London is going to be the Verdi capital of the world. But why Verdi? Downes talks rivetingly about Verdi as intellectual autodidact. Verdi as focal point of the reunification of Italy, Verdi as moral force, which brings him back to *Stiffelio* and its original failure. "The Italians thought that if a married man found out his wife had committed adultery, he wouldn't forgive her — he'd knife her. Verdi had to force that message home."

And Downes remembers the critic Ernest Newman in the days when there were German and Italian seasons at Covent Garden. "Summing up the former in *The Sunday Times*, he wrote 'you can leave your brains at home now, because the Italian season starts next week'. This is what we are rectifying."

● Stiffelio *opens tonight, and* Un ballo in maschera *on Wednesday, at the Royal Opera House (0171-304 4000)*

Helping rats to remember brings hope to Alzheimer's sufferers ☐ Magic perfume that calms a beehive ☐ Cat litter absorbs mine pollution

The brain's messenger

MESSAGES are passed inside the brain by acetylcholine — a substance secreted by the nerve fibres that carries signals from one cell to another. Acetylcholine also appears to be involved in the process of remembering. In patients with Alzheimer's disease, where loss of memory is one of the most crippling symptoms, the nerve cells that supply acetylcholine to the higher reaches of the brain are damaged.

Is this cause or effect? It has been hard to tell, but some recent experiments at the University of California in San Diego do suggest that the loss of the messenger may be responsible for the loss of the memory. If so, the findings could have implications for the treatment of Alzheimer's, a disease suffered by 600,000 people in Britain.

The American team discovered that they could restore the memory of rats by giving them an extra dose of acetylcholine. They studied rats with damage to the part of the brain that supplies the neurotransmitter to the neocortex. The task the rats had to perform was finding their way to a platform submerged in a pool of water. Over ten days of practice, all the rats learnt to swim to the platform, but those which had damaged brains learnt to do so significantly more slowly than "normal" rats.

SCIENCE BRIEFING

Nigel Hawkes

A third group was then introduced to the experiment — rats in which genetically-modified cells had been grafted into the brain. The cells, of a common type normally found in cartilage, bone and fat, were given the genes to produce acetylcholine. Rats carrying these transplants did very nearly as well in the memory tests as undamaged rats, and far better than the damaged ones, or a fourth group given a gene for an unrelated protein.

"We showed for the first time that just by replacing this neurotransmitter in the brain it was sufficient to restore memory," said Dr Lisa Fisher, a member of the San Diego team. This means, they report in *Nature*, that not only is acetylcholine essential for learning and memory, as others have argued, but its presence in the correct part of the brain is sufficient to repair learning deficits and restore memory.

"In terms of treating Alzheimer's disease it encourages the use of targeting drug delivery to damaged areas of the brain," Dr Fisher says. "It really can have a profound affect on cognitive processing".

Typically, Alzheimer's sufferers have about half the normal level of acetylcholine at the time of diagnosis. This continues falling, to about a third of normal by the time the patient dies. Drugs designed to reduce this decline, including one derived from daffodil bulbs, are now in clinical trials.

The daffodil drug, a substance called galanthamine, operates by binding to the enzyme that normally breaks down acetylcholine. Shire, a British company whose trial with 600 patients at hospitals in five European countries begins this summer, says that the effect is to raise acetylcholine levels and improve the transmission of brain signals.

A drug already licensed in some countries, Tacrine, operates in a similar way. The San Diego work suggests that they may be working along the right lines.

Buzz words

QUEEN bees are created by royal jelly, a rich food that enables them to develop in a different way from the humble workers. The difference is made manifest in the scent the bees emit.

These scents, or pheromones, have a considerable bearing on how bees behave, with the queen's scent calming the rest of the hive. Now a chemist at Simon Fraser University, in British Columbia, has traced the biochemical pathway by which this magic scent is assembled.

Erika Plettner, a PhD student, told *Chemistry in Britain* that both queen and worker pheromones are chemically similar, containing three fatty acids and two aromatic compounds. She traced the production of the fatty acids by feeding the bees with radioactively-labelled compounds and tracing their passage.

She was surprised to find that there are three stages in the assembly of the pheromones at which those of the queen undergo chemical reactions different from those of the workers. Since queen and workers are all females, and all are genetically identical, the only difference between them is what they eat as larvae. This is evidently sufficient to alter the biochemistry in significant ways.

The research could be useful to beekeepers, who may be able to *manipulate the pheromones* to gain greater control of their hives.

Swell idea

BRITISH scientists have discovered that cat litter can mop up pollution from old and abandonded mines.

Tests show that the material used in cat litter, a mineral called sepiolite, can absorb and lock away enormous amounts of toxic heavy metals found in the soils around disused mines. The land can then be planted with grasses, flowers and trees which would otherwise be killed by the copper, iron and cadmium in the soil.

The research is led by Professor Keith Atkinson, director of the Camborne School of Mines in Cornwall. About 4,000 hectares of land in Cornwall alone is contaminated by mine workings and scores of sites are at risk from toxic mine water seeping into rivers and streams

Professor Atkinson says that sepiolite has transformed polluted mine soils at Lanner, in Cornwall. Similar tests are now being carried out near Land's End at the site of an old mine. The litter is dug into the soil, where it expands to up to 22 times in volume and absorbs the pollution.

The quality is exactly the same as that which makes the mineral such a godsend to cat owners. The team is now testing other industrial minerals, including zeolites, which may be used to tackle other heavy metals.

Professor Atkinson, whose research is backed by the Engineering and Physical Sciences Research Council, says they have shown that cat litter works, but they now need to see how long it holds the pollution.

Opening a new chapter on the book of creation

Dr Wendy Bickmore's study of chromosomes could have a profound influence on our understanding of genetically caused diseases. **Gillian Bowditch** reports

On Dr Wendy Bickmore's wall there is a photograph which, at first glance, appears to be of a modern stained glass window. Twenty-three rectangles of jewel-bright reds, greens, yellows and blues glisten against a black background.

The photograph, however, is not from any cathedral. It depicts the chromosomes of a healthy man, and the bright red areas show those parts most rich in genes. It has been made possible by a developing technique called Fluorescent In Situ Hybridisation (Fish), which allows the chromosomes to be lit up in vivid colours and studied with fluorescent microscopes and cameras.

The technique is used by Dr Bickmore, a Lister Institute Fellow, and her colleagues at the Medical Research Council's Human Genetics Unit in Edinburgh to investigate the complex make-up of chromosomes and their role within the cell cycle.

Dr Bickmore is one of the new breed of young, articulate scientists who are dedicated to the laboratory and to making science more accessible to non-scientists.

"Chromosomes are some of the most visually appealing objects in biology," Dr Bickmore says. "The name comes from the Greek for coloured body and the Fish technique is shedding light on how they are put together. This has direct implications for our understanding of the genetic basis of disease."

Dr Bickmore, 33, lives with a fellow scientist in Leith, Edinburgh. She says: "Science takes up a huge amount of my time — that's why I find it impossible to have a long-term relationship with anyone other than a fellow scientist."

After spending hours in the laboratory, she spends her free time outdoors playing tennis, hockey and hill-walking. She is also a keen gardener and is a mainstay of the MRC unit's communal allotment.

She was educated at the local high school in Chichester and went on to to take a biochemistry degree at Oxford before moving to Edinburgh in 1983 to take her PhD. She was appointed a Fellow of the Lister Institute of Preventative Medicine in 1991.

Dr Bickmore's work stemmed from an attempt to clone the genes responsible for WAGR syndrome, a condition in which babies are born with a number of disorders including aniridia, the lack of an iris, which can lead to blindness. Children with the syndrome often develop a tumour of the kidney, which may be fatal if left untreated.

Patients with the syndrome were found to be missing a band of DNA on chromosome 11. "They had a hole in their chromosome, if you like," Dr Bickmore says. "We tried to isolate the DNA which was missing and to find the genes which it normally contained — thus finding the genes which caused the aniridia and the kidney tumour."

The genes were discovered by other groups, but in the course of her work Dr Bickmore became increasingly interested in the fact that only a tiny proportion of chromosomes is made up of genes. "Our research set out to discover where genes were most likely to be located on chromosomes using the Fish technique. We found that they were clustered in particular places, and, whereas some chromosomes appear to be full of genes, others have a dearth of them.

"We can use this information to guide us to parts of the human genome most likely to contain genes involved in genetic diseases. It means that those working on the human genome project, to map and sequence all the human genes, can most profitably concentrate their work in these regions."

The average human chromosome contains 100 million base pairs of DNA. If they were stretched out, they would be five centimetres long.

To fit the DNA from all 23 pairs of human chromosomes into the nuclei of our cells, which typically measure only one-thousandth of a centimetre across, the DNA must be folded up very tightly and neatly. This folded DNA is called chromatin and is the stuff chromosomes are made of.

Dr Bickmore hopes that by unravelling the chromosomes of healthy adults and looking at the beautiful but complex structures contained in them through high-powered microscopes, using the Fish technique, she will eventually be able to understand how chromosome architecture influences the way our genes work.

"It's a real challenge — an area where there is a lot more research to be done," she says.

As a result of the work done by Dr Bickmore and her colleagues, children born with aniridia are now screened to see if they have WAGR syndrome. Samples from affected children are sent to Salisbury, and using the DNA probes developed in Edinburgh, scientists can tell if they are missing the gene and are, therefore, susceptible to the potentially life-threatening tumour, which usually develops before the age of three.

The Salisbury team alerts the doctors treating the children at risk so that they can receive regular examinations and early treatment if the tumour develops.

'I try to run a happy lab and cut down on the stress'

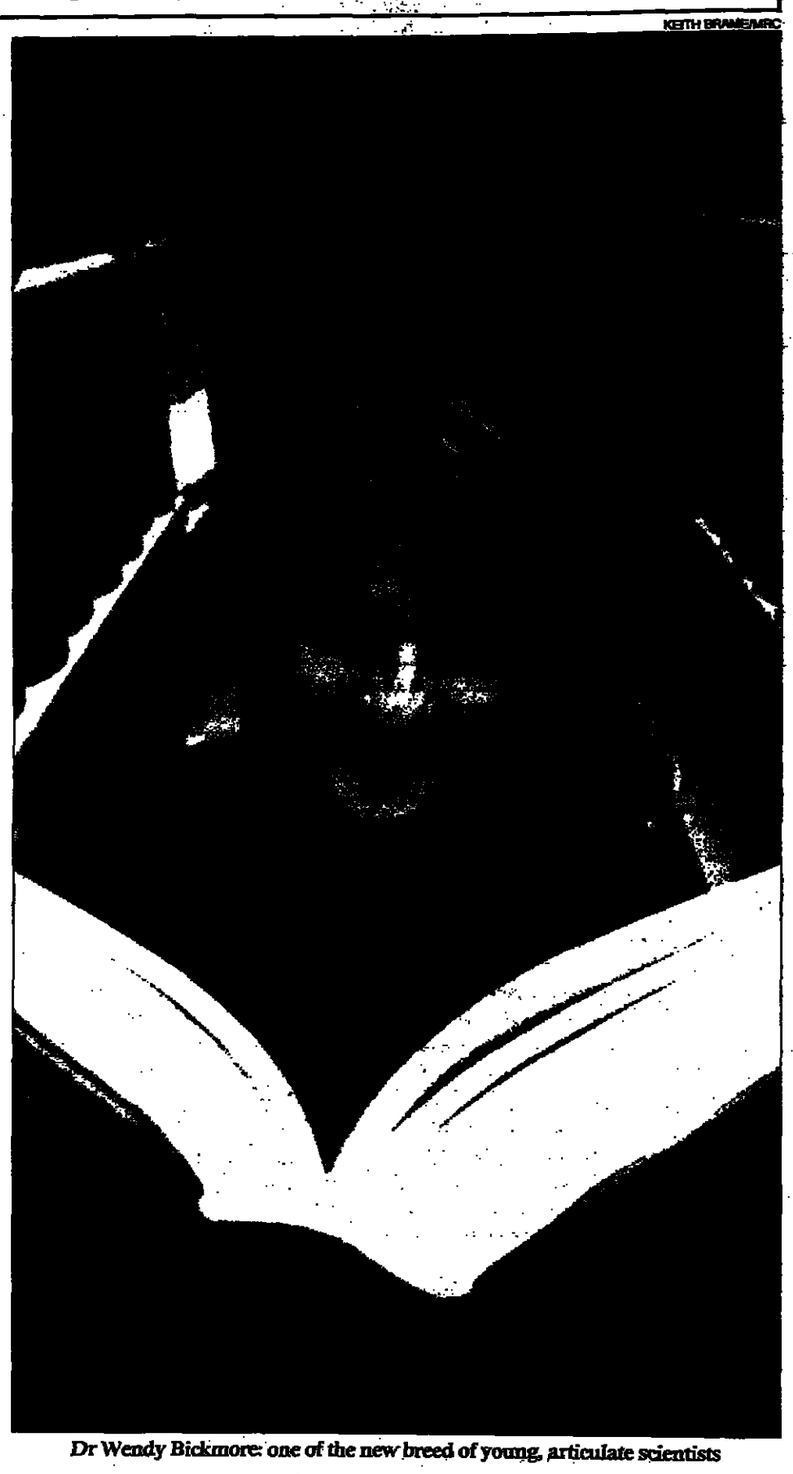
The work on children with aniridia has also highlighted another highly important area of research. Other scientists in Edinburgh are investigating a group of families who appear to have a perfectly healthy gene, but who still have aniridia. While these families have the correct gene sequence, it appears to be in the wrong place on the chromosome and, out of its normal environment, it does not function properly.

"Understanding these types of problems has important long-term implications for gene therapy," Dr Bickmore says. "The problem we have at the moment is that we don't understand how normal chromosomes are put together. Until we do, we can't understand what is happening when genes fail to function on chromosomes which are abnormal. What makes chromosome biology so exciting is that the answers are not all there yet."

Dr Bickmore is a member of the Talking Point scheme, which sends scientists to schools to talk to and encourage pupils. "I mostly speak to Higher and A-level biology students who study genetics as part of their course work. Science is not a particularly high-profile career and the idea is to get pupils interested."

As for the future, she says: "I think I want to stay here in Edinburgh. It is difficult to look more than six months ahead. I suppose what I really want to do is run a successful laboratory training good scientists. I try to run a happy lab and cut down on the stresses as far as possible."

KEITH BRAME/MRC



Dr Wendy Bickmore: one of the new breed of young, articulate scientists

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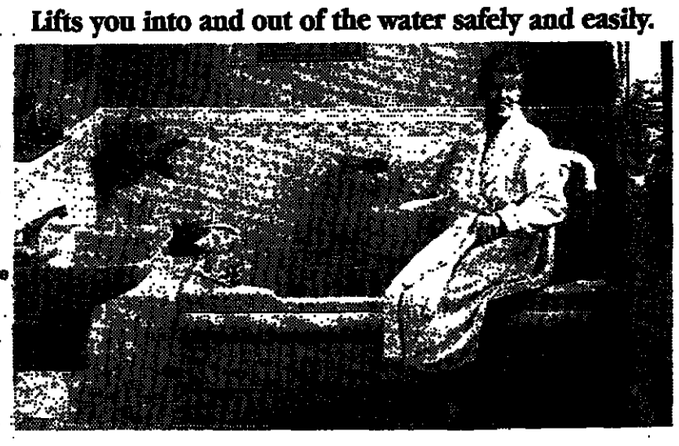

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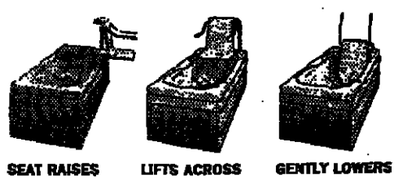

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Anjana Ahuja on the race to harness electrons to create the ultimate physical attraction

Could a super-magnet hurl mankind into the cosmos?

The race is on to create the most powerful magnet in the world — a device many thousands of times stronger than the humble magnet that holds your fridge door closed. Among several research groups in the field is AT&T Bell Laboratories, in New Jersey.

At the root of this ambitious feat lies the electron, which is responsible for both electric and magnetic phenomena. Electrons have a property called "spin", which is a kind of magnetic arrow. In most materials the spins of neighbouring electrons point randomly and cancel each other out. This is why most everyday items do not fly across the room towards the fridge.

But in some materials this automatic cancellation is missing. There exist small pockets of electrons with perfectly aligned spins. If all the pockets can be made to point the same way — and to stay that way — a strong permanent magnet can be created. Unfortunately, there is a limit on how many aligned electrons can be packed together. The result is a limit on the strength of 30,000 gauss. By comparison, the Earth's magnetic field clocks in at half a gauss (the unit is named after Karl Friedrich Gauss, a German mathematician who dabbled in magnetic phenomena in the 1830s). At the top of the scale is the surface of a neutron star, which boasts a field of one thousand billion gauss.

Greg Boebinger, Al Passner and Joze Bevk have revealed in the latest issue of *Scientific American* that they managed to achieve 730,000 gauss.

Boebinger and the team use a simple principle of electromagnetism — that a magnetic field can be produced by getting electrons to move, that is, by producing an electric current. The bigger the electric current, the bigger the magnetic field produced. The biggest magnets manufactured so far already require their own electricity substations and cost more than $1,000 (£650) an hour to run.

Unfortunately for enthusiasts, big currents also mean big stresses. The 730,000-gauss magnet produced by the authors put the current-carrying wires under a pressure equivalent to 35 times the pressure on the ocean floor.

The other obstacle comes from the searing heat generated. Unless the wires in your electromagnet are made from superconducting material, they will resist electric current with a vengeance. The authors' magnet produced enough energy in one second to melt five kilograms of copper.

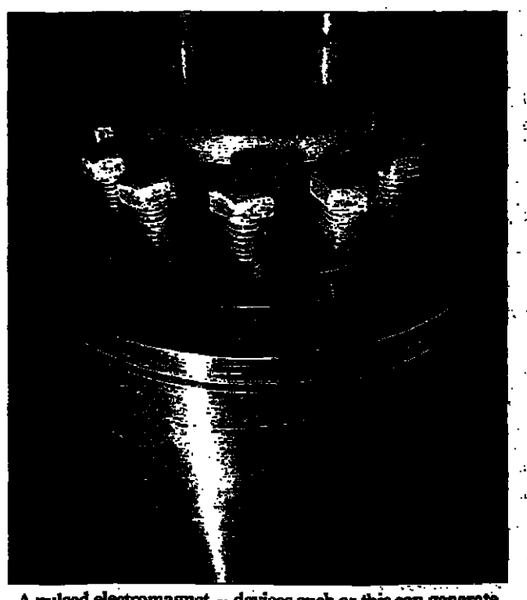
How do researchers get round these problems? Some magnets are, indeed, fashioned from superconductors.

Another alternative is to have quick pulses of current, so the stresses and heat are not prolonged. Such magnets are mostly of the "destructive" variety, and survive only one pulse. For example, such magnet produced nearly 10 million gauss, albeit with the aid of explosives.

The real challenge is to get these pulsing megagauss magnets to keep their peckers up.

All this laboratory-busting work is very well, you might say, but why do we need magnets anyway? Strong magnetic fields open doors to certain types of research. For example, nuclear fusion in the laboratory involves materials too hot to be contained in any solid vessel, so the material is held in place by a magnet.

But perhaps the most ambitious application for amazingly powerful magnets is yet to be achieved. Scientists think one could eventually send a rocket into space. The sky is no longer the limit.



A pulsed electromagnet — devices such as this can generate fields approaching three quarters of a million gauss

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Julia Llewellyn Smith lunches with a style guru at the new Selfridges restaurant

Conran, in his natural habitat

High above the tat of Oxford Street: the shabby shopfronts, the *Big Issue* sellers and the parties of French schoolchildren. Sir Terence Conran sits amid the subdued splendour of Premier, the restaurant he has designed at Selfridges, and watches the midday sunlight dart off his large glass of white wine.

Sir Terence changed the way we live. In 1964, when, straight out of design school, he launched Habitat, Britain was awash with cream, orange and avocado; Crimplene dressing gowns hung on the back of every bedroom door and a prawn and egg mayonnaise cocktail was a gourmet experience. Thirty years later we buy books called *Living with Kilims*, can find Armani replicas in every high street store and can reel off ten uses for a *shiitake* mushroom as easily as our home telephone numbers. Design is everywhere from the piles of *World of Interiors* stacked in middle-class lavatories to the Nike trainers of inner-city gang members.

His mission was to bring quality to the masses and, despite the odd disaster, such as his resignation from the Storehouse retailing empire in 1990, he succeeded, bouncing back with six of London's most successful restaurants, the Conran shop in South Kensington and his design company, CD Partnership. Commodities brokers feast on crustacea at his Thameside "gastrodrome" of restaurants and delicatessens, and Essex boys and girls drink champagne by the bucket in Quaglino's, his 400-seater restaurant in St James's.

Everything the man touches turns out tasteful and profitable, even his five children (by two of three marriages). Sebastian is an industrial designer; Jasper, a couture king; and Tom runs a trendy restaurant in west London. No wonder Selfridges, in the throes of a £50 million revamp, turned to him to transform its third-floor restaurant from a set out of *Are You Being Served?* into a toned-down vision from *Absolutely Fabulous*.

Once the restaurant had a brown, swirly carpet; ruched blinds; waitresses in French-maid frillies and a menu decorated with pictures of Victorian ladies and fraying yellow tassles, which boasted such delicacies as melon, steak and Black Forest gâteau. Now, it is all primary colours and stripped pine. There is blue stained glass in the vast windows; a bubbly team of tuxedoed waiters; a goldfish-bowl view into the kitchen and a menu promising bouquetière of grilled vegetables and serrano-wrapped monkfish.

"This restaurant," explains Sir Terence, in a blue shirt and red polka-dot tie that tone in exactly with his *décor*, "is designed to be a cool, calm oasis in a desert of rampant consumerism." In-store restaurants are all the rage these days: there is the Fifth Floor at Harvey Nichol's, Joe's Café at Joseph and Nicole's at Nicole Farhi's. Selfridges is no exception in wanting to woo lunching ladies, who, after a low-cal snack (two courses £16, three courses £18) and a glass of wine, will teeter light-headedly straight into the fashion department and still make it into a size 10.

Premier has only 80 seats, at tables set wide apart, a drop in the ocean compared with Mezzo, the 850-seater that Sir Terence plans to open in Soho in September, but for both a "buzz" is vital. "You need people clamouring to get in, to be saying 'I want to go there, because everyone else is there'," he says.

For the past few weeks Selfridges staff have been served test meals by the team of six chefs. The walls are still bare, the tables need flowers and the linen, says Sir Terence, inhaling a large chunk of tablecloth, needs a few launderings. "It's still too clinical at the moment," he explains, scrutinising the menu. "Why does this say 'Baby spinach, avocado and crab salad'? Surely the crab is the most important thing about the dish? Who cares about the spinach?"

> 'This place is designed to be a cool, calm oasis in a desert'

There are other minor problems: the view into the kitchen, virtually obligatory in any new restaurant, reveals a row of shelves laden with Tupperware containers, rather than pretty Provençal pottery. Something will have to be done about it, mutters Sir Terence, as he tours the kitchen. The non-slip floor is a good thing, he pronounces, the wall should be decorated with a shiny *batterie de cuisine*.

Why have a view of the kitchen anyway? "It does wonders for the service; people who work in the kitchen feel part of the restaurant. Otherwise there is a terrible tradition of them and us. If occasional shouts are heard in there that just adds to the sense of restaurant as theatre."

He eats in each of his six restaurants at least once a week ("*Le patron mange ici*: it's very important") and it shows, although no more than you would expect on any 63-year-old *bon viveur*. He hates arrogant customers who are rude to the staff and "no-showers" — Americans, it seems, are prone to book several restaurants for the same night and then choose one at the last minute, without telling the others.

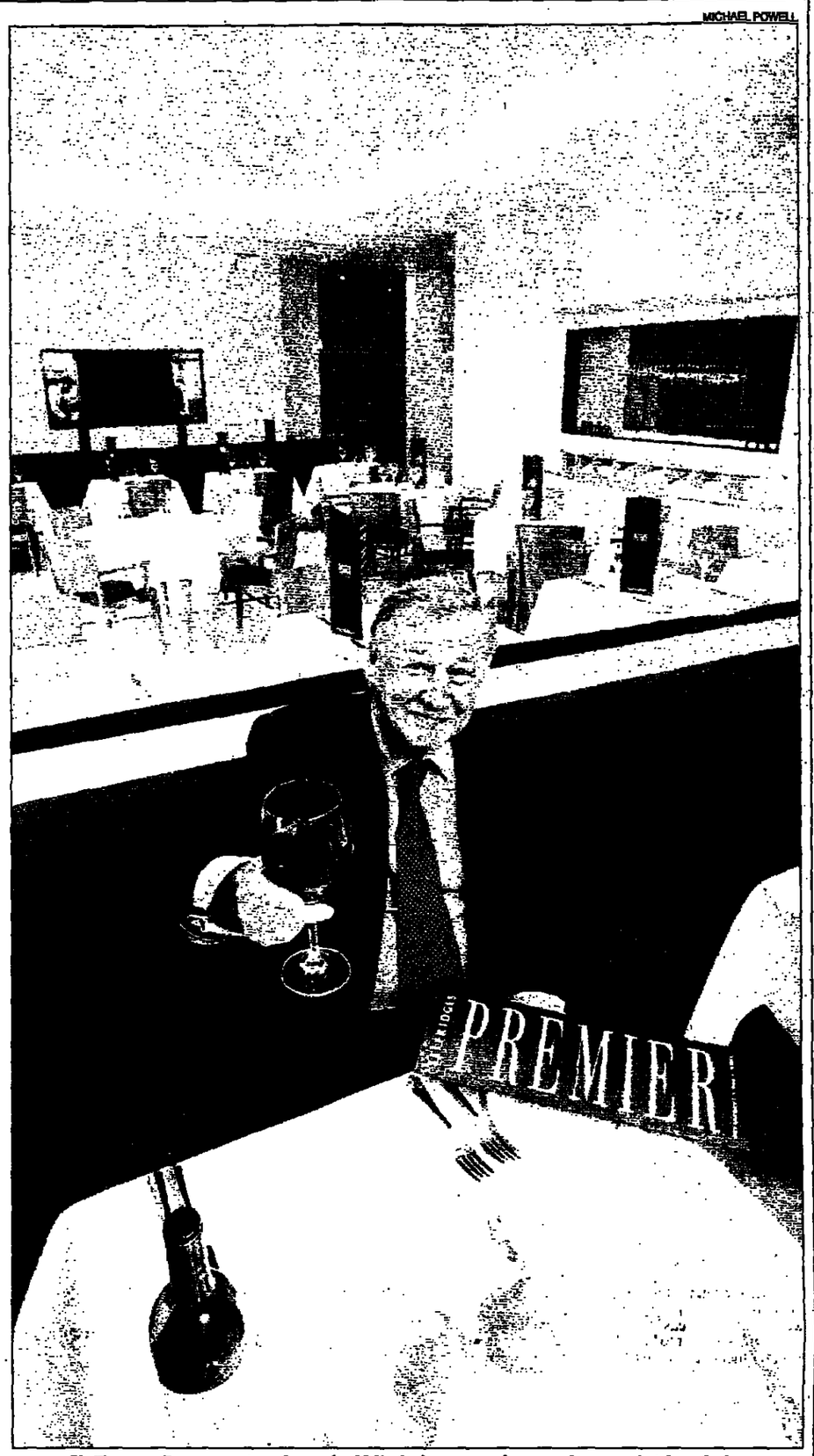
Quaglino's has overcome this problem with a computerised booking system, which Conran now plans to sell to the rest of the restaurant trade, and by telephoning customers in the morning to confirm. "If somebody knows you have their number, they are more likely to turn up. If they don't, it's plain bad manners."

Quaglino's distinguished itself in its early weeks, when the chip fryer burst into flames. "It was a real nightmare. We had to close for lunch although we were back for dinner."

He is interrupted by the huge Selfridges clock on the other side of the window, chiming one o'clock. "A bit of a conversation-stopper, if you're in here at noon." He rushes to the glass. Behind it the gigantic Selfridges columns are splattered with pigeon mess. "Hmmm, not sure we can do anything about that," he muses. "Maybe we could ask the customers to bring a rifle and shoot their own?"

● *Premier (0171-318 3155) will be open from June 16, from 11am for lunch and afternoon tea and from 9.30am for breakfast on Saturday.*

MICHAEL POWELL



Sir Terence Conran: out go the ruched blinds, in come primary colours and stripped pine

We are all bunnies underneath

When America needs a hero, the truth is left trembling

Some kinds of praise make things worse, and Scott O'Grady has found that out. Everyone is calling the young airman a hero after he was shot down and spent six days on the run from the Bosnian Serbs. Only Mr O'Grady denies it.

"I wasn't a hero at all," he said, crying at the press conference. "I was a scared little bunny rabbit trying to hide and trying to survive." He was fine while he quoted his survival training and told us about wringing out his socks for water and eating ants. He even made a joke or two about the nearby cows.

But when they played back his radio message, with his macho signal name of "Basher five-two" contrasting so pathetically with his thin cry of "I'm alive! I'm alive!", he wept and tried to tell us that he was not a hero. He was not like a long-term hostage showing fortitude, or a prisoner resisting torture, or a rescuer: he only survived. He knows that. He attempted to express it.

But we didn't want to know. The American media want him to be a hero because we need the fire of heroes to warm ourselves at. Never mind whether Scott O'Grady wants to go to the White House today rather than home to his mum: the President needs to be photographed next to a hero, so off he goes, a sacrifice to the "feel-good" factor. The rabbit within him is not welcome at photocalls.

We can accept a bit of modesty, but he must keep to himself the fact that for that week he was not a movie hero and hardly a soldier: just a bunny, lying on his belly hiding his pink ears with his green-gloved hands, praying.

The odds are that he will find repose only in the company of other men who have seen active service and been frightened out of their wits. Their black jokes, their crude observations about wetting yourself and worse, will help him most. With them, he can lay down the burden of other people's need for heroism.

That burden is not uncommon. I have met other "heroes" over the years, from PC Trevor Lock, of the Iranian Embassy siege, to Simon Weston, of the Falklands. All of them shared the tendency to wince at praise. PC Lock was steadfast and calm in the siege, and others paid tribute to him; but he himself spent most of it feeling like a fool and expecting to be in deep trouble for having failed to stop the hijack in the first place.

Simon Weston intensely disliked the implication that he — because he survived such awful injuries — was more of a hero than any other guardsman. Even fire and lifeboat crews tend to reject the hero tag, and say they were only doing a job. But to those who merely survive, the word is positively hateful. "The guys who rescued me were the heroes," said O'Grady plaintively. But the arrangements for the White House went on rolling.

We do this to each other all the time, selfishly refusing to acknowledge the inner rabbit in those who suffer. We tell children how splendidly brave they are as we propel them into ordeals and exams, when they know there is no choice and therefore no bravery. We encumber cancer patients with the credit for "fighting back", forcing them into a soldierly pose rather than sitting quietly, offering affection and acknowledging their fear. We bluffly tell the bereaved that they are "coping splendidly", rather than risk hearing them say they are not. We want heroes, because heroes don't need anything. We can bask in their glory without effort.

LIBBY PURVES

It can get you down. In hospital a few years ago, having just had both eyes operated on in an unexpected emergency, I was told through my blindfold by some well-meaning visitor that I was "brave".

Irritation and yes, panic, welled up: brave? What, after all, was the alternative? To fight off the anaesthetist and lurch out into the mist? I was a scared and helpless half-blind bunny, and no more. When the nurse looms with her silvery scissors to cut your eyelashes off, it isn't brave to lie still.

Or, if it is, this is not the kind of bravery you want anyone to comment on. Far too close to despair for that. When they let you out of the White House photocall, Scott, you go and find yourself some scarred old vets or PoWs, and have a good chat about terror and humiliation. They'll understand. The rest of us don't want to.

A writer, a witch and a transvestite

Giles Coren tells the tale of the stranger who rode into town and wrote a bestseller about its oddities

PAT CONROY, the bestselling author of *The Prince of Tides*, cornered John Berendt at a writers' seminar in Savannah, Georgia, last year. "I love your book," he told him. "I lust for the cover and I would kill for the title. You write like a son-of-a-bitch!"

Professional jealousy of this kind is to be expected. Some 600,000 copies of *Midnight in the Garden of Good and Evil* have been sold so far in the United States: it is in its 52nd reprint, and has been on *The New York Times* bestseller list for 67 consecutive weeks. It goes into Japanese in the summer, then into German, Spanish, Italian, Portuguese (for Brazil) and Norwegian.

Britain has been a little slow on the uptake, but the book has just been issued here in paperback, and Berendt is in the country to see if things take the same obsessive turn they have back home.

Midnight is a story of life in Savannah, told by a Yankee who came to stay. It is the bizarre tale of a millionaire's four consecutive trials for the murder of his gay lover, and how he was finally acquitted, thanks to the intervention of a witch. It is also about the narrator's friendship with the Lady Chablis, a beautiful, 6ft-tall, black transvestite, who used to be called Frank.

But *Midnight* has become more than just a book. Tourists have been flocking to Savannah, and operators run guided tours through the geography of the book.

"I guess that is because everything in it is true," says Berendt. "Or, at least, most of it is. I had to move some stuff around to make it work, but the places and people are all there, and everything really happened.

John Berendt: sold the film rights

"I was a finalist for the Pulitzer Non-fiction Prize but a member of the board said that he could not allow it to win, because I had rearranged some stuff so that it read too much like fiction — but I am sure that even authors of strict non-fiction do that: they just don't tell anybody." As a former journalist and editor of *New York Magazine*, Berendt ought to know. But prizes are for mere books.

"A symbol of the way this has grown into something more than I ever imagined is that Chablis has been offered an advance of $100,000 [£66,000] for her autobiography and they have given her a writer, whereas I only had an advance of $67,000 for the finished manuscript of *Midnight*. I am really pleased for her — it's one of the best things to come out of the book."

Berendt's next advance will be a little more generous — insiders say $2 million would be a conservative estimate — but, given the tradition of literary failures that follow a hugely successful first book, isn't he feeling the pressure?

"With my first book I had the luxury of not having a big deal and I worked at my own pace. One year I wrote only 70 pages. This time it will be different. I will be under the gun, and I won't have the same room to stroke it and massage it. I'll just have to hand it over.

"If posterity recognises me at all, it will be for *Midnight*, and whatever I do afterwards, however good, will not get the same reception. That doesn't worry me. It is a fact of the publishing trade that when publishers makes big money on a first book, they cannot expect to make a killing on the next one. If they want my book they will accept that it will take a long time to make back my advance.

"I won't sign a deal until I have decided on a topic, and at the moment I am just travelling around looking for stories and writing the odd piece for magazines. I have done one for *The New Yorker* about a Republican businessman from Nashville who likes to wear dresses and high-heeled shoes. High-heel Neil, they call him."

BUT BERENDT says he won't be trying to repeat the formula. "Warner Brothers have bought the rights to the film and I have said I won't write the script. I lived that book for too much of my life to go chopping it all up again. I had the good luck to come upon a magnificent undiscovered town, and to fall in with a bunch of people you just couldn't make up.

"I have a book which people are reading, acquaintances have become celebrities, and a very good friend has become truly famous. I couldn't do that again, and it would be silly to try."

For all that, as Berendt heads off to hunt for other towns and other stories, you can't help feeling that it is midnight in a garden somewhere in the vast expanse of the southern states. And that we are going to hear about it very soon.

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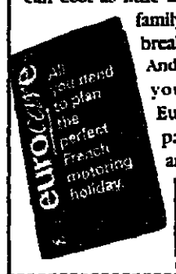

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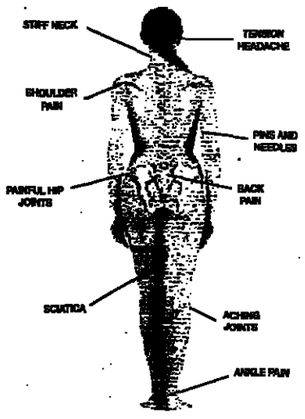

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Matthew Parris

■ From veal crates to bull-bars and ID cards, Euro-sceptic MPs are united — if Brussels wants it, it's bad

Do you remember the furies unleashed when it was reported that Brussels wanted to standardise our bananas? The idea provoked scorn, and the tabloids could talk of little else. A group of MPs emerged passionately committed to the nonconformist banana. Newspapers affirmed as little short of sacred the individual banana's right to be as bent as it chooses; the citizen's right to select from the complete range.

Within months, however, these same editors and MPs will be fighting the opposing corner. The issue will be a different one: the right (or otherwise) not of bananas but of soldiers to be bent. The question is to go to the European Court. It will affirm such a right and try to force us to comply. We shall then find that our press and politicians are as attached to uniformity in the military as they were to diversity in the supermarket trolley.

Could there be a hidden agenda? Suspicions deepen as we hear of our MPs' touching concern for the fate of little calves. Odd, because some of these men and women had shown no previous interest in animal rights. Some would kick the cat for fun. Now they form an unofficial all-party be-kind-to-mammals group.

But only some mammals. Two weeks ago Spanish fishermen protested at British fishermen using modern drift nets, which kill dolphins. And from our MPs? Silence. Curious. These very MPs and their tabloid claque have been noisy in their protests at the "factory fishing" threatening halibut stocks off Newfoundland. Every sprat is numbered; the suffering of every veal calf diminishes us; but the dolphins die unmourned.

Then another twist: this same group of commentators and politicos found itself, after a recent fatal coach crash, urgently commited to new regulations forcing coach owners to fit seatbelts. "Europe", apparently, is blocking this. Funny, because some of that group *opposed* making car seatbelts compulsory in Britain more than a decade ago. But if Brussels does not want seatbelts, we do.

Brussels wants to clean up our beaches. So we do not. MPs have protested at costly new sewage directives. Some kinds of filth, it seems, our Euro-sceptics will tolerate. But not others. They are increasingly concerned about pornography coming in from abroad. From Europe, in fact. This is an important argument for keeping our national board of controls. Europe wants to abolish them.

So are they for the nanny state or against it? For cruelty to animals or against it? For or against environmental protection? Are they for straight servicemen and bent bananas, seatbelt-free cars and belted coach seats? Cherished calves, protected halibut and battered dolphins? Dirty sea water and clean comics? And now a new conundrum. Our intriguing coalition have discovered in their hearts a rooted objection to any scheme of national identity cards. Suddenly they are liberatarians.

> So are MPs for cruelty to animals or against it? For dirty sea water and clean comics?

We welcome them aboard the *SS Liberty* with amusement, for they include authoritarians whom I remember some years ago enthusing about a national ID card scheme, as a way of enforcing law and order. Hang the objections, they snorted: it was nothing but bleeding-heart liberalism. Now they trumpet the citizen's right to walk where he pleases in his own country, unchallenged. Unlike on the Continent.

And they are calling for an end to agricultural subsidy. Rural Tories (many of them) opposed to feather-bedding farmers! The world goes topsy-turvy as we hear these same standard-bearers for all that is traditionally British *opposing* French plans to limit the import of American movies and television shows. Yet these very Tories used to insist that American junk was poisoning our airwaves and depraving our youth.

I give up. I gave up, in fact, last Thursday when I awoke to hear a programme on the radio about bull-bars. Bull-bars, it seems, are the latest fashion. Motorists here and in Europe bolt them to their bumpers. They look "all-terrain", they serve no purpose at all, and they kill pedestrians.

The Department of Transport wants to ban them, but Brussels won't let us. So a group of MPs, including some who would otherwise have been queueing for their own bull-bars, will instead be signing an early day motion deploring the things.

I have an idea for Jacques Santer. Issue a new string of Brussels directives. Make a national minimum wage, shorter working hours and ID cards illegal, and bent bananas compulsory. Impose *tighter* animal welfare regulations on Britain. Invite the Canadians to fish here. Ban our stricter sewage-treatment regulations. Censor our magazines. Impose puritanical new EU rules on sexual orientation in the Armed Forces.

Within days, Tony Marlow will be fitting bull-bars, Teddy Taylor burning the Canadian flag and cooking white veal over the fire, Teresa Gorman praising the standard, straight British banana, and Bill Cash (waving his ID card) giving the keynote address at the Gay Pride rally in London.

In the countries of southern Africa, 10 per cent of the human race is at risk of an Aids pandemic

Don't let Africa die of our ignorance

William Rees-Mogg

In the mid-1980s, there were false expectations about HIV-Aids. People believed that there would either be a vaccine or a wonder drug inside ten years. After billions of dollars of research expenditure, and some hope, neither is yet in sight.

People thought that there would be a worldwide heterosexual pandemic, a second Black Death. That has not happened, either. North America and Europe have far fewer cases of Aids or HIV infection than were being projected in the 1980s. There are some major centres of infection in Asia, such as Thailand and Bombay, but the disease does not seem to have reached the 100 million migrant workers of China; they would provide a vulnerable host community.

The exception is Africa. The World Health Organisation estimates that 70 per cent of all HIV-Aids cases are in sub-Saharan Africa, whose 500 million people comprise only 10 per cent of the world's population.

The difficulty in estimating the scale of this African epidemic has been that these are mostly very poor countries, with limited health and administrative services. It started in Central Africa, with Zaire and Uganda among the earliest and worst-hit countries. It has spread quite slowly southward; not until the 1990s was there a mass epidemic in South Africa, which does have advanced medical services and the ability to collect reliable health statistics. The WHO estimates that 90 per cent of Aids cases in Central Africa go unreported. The reports of infection in South African hospitals may be accurate to a single percentage point. These South African figures are likely to be the best guide to infection levels further north, and may well understate them, because South Africa is now experiencing rates of infection that Central African countries had reached five or more years ago.

Some of the most reliable local statistics come from KwaZulu/Natal. The hospitals automatically test for HIV infection. In the first two months of 1994, they recorded 4,077 cases; in the first two months of 1995 that had risen to 6,401 cases, an increase of more than 50 per cent. About 55 per cent of those infected were women. Probably more women than men were tested, for gynaecological reasons, but the epidemic is certainly a heterosexual one, with both sexes equally at risk. Most of the cases are reported to have been aged between 20 and 34.

The University of Natal's Virology Unit is a major authority on the epidemic. Its latest estimate, for the first quarter of this year, is that 21 per cent of the population of KwaZula/Natal is infected with HIV, the precursor to full-blown Aids. That would mean that a much higher proportion of sexually active young adults would be infected, and this rate of infection is still rising.

The figures for South Africa as a whole are less clearly established, and it is possible to be confused by different estimates, made at different dates. However, the latest and most authoritative estimates are those given by the Minister for Health, Mkosazama Zuma, to an Aids conference in Cape Town early in March. She stated that there are now more than eight million known cases of HIV infection in South Africa. As the South Africa population is just under 40 million, that coincides with the KwaZulu/Natal infection rate of 21 per cent of the population. In 1991, 1.2 million cases were reported in South Africa, so in three years, the number of cases has doubled just less than three times. That also fits the KwaZulu/Natal estimate of a 60 per cent increase in the past year.

Various explanations have been given for the disproportionate scale of the epidemic in sub-Saharan African. The widespread lack of medical facilities is one of them, though the medical services in South Africa are among the best in the continent. The prevelance of other sexually transmitted diseases, often untreated, is another factor; this may indicate a larger average number of sexual contacts, while untreated sores probably facilitate infection by the virus. A large number of indentured labourers who are living away from their native villages go to prostitutes. Active sex lives seem to start earlier in Africa, at an estimated age of 11 in South Africa as against 15 in the United States. This suggests a larger lifetime number of sexual partners, which some epidemiologists regard as the real indicator of the size of the networks of potential infection.

The weakening of the immune system, which is the result of Aids itself, increases the spread of other infectious diseases, particularly tuberculosis. This is not only a risk to the Aids victims themselves. Tuberculosis spreads rapidly among people who do not have normal resistance to disease, but goes on to infect those whose resistance is normal.

The medical statistics in the rest of Africa may not be reliable, but there is no lack of reports which show the severity of the epidemic and the large number of Aids deaths which have already occurred. In some areas, it could be seen from aerial surveys that farmland is shrinking because of the shortage of workers. Systems of care for orphans whose parents have died of Aids-related diseases have broken down because they are overloaded. In Tanzania, an acute shortage of teachers is reported. More specifically, Uganda Railways reports a 3 per cent annual death rate from such illnesses among its staff; these workers cannot be replaced.

If in Africa there is an average eight-year period from HIV infection to death, then at least 24 per cent of this railway staff would have been infected with HIV as early as 1987. That does fit the estimates which were made at the time. Uganda has an exceptionally high birthrate, and may even be able to replace a 3 per cent loss, but the current HIV estimates would project an actual fall in the population of South Africa in the early years of the next century.

The South African Government fully appreciates the potential social and economic consequences of this epidemic. President Mandela himself has said that dealing with HIV-Aids is "one of my main presidential projects". Yet the world outside seems to be hardly aware of what is happening. The sub-Saharan African countries, with 10 per cent of the world's population, are already the weakest and poorest of the world's large communities.

The post-colonial era has been a success in Asia but a failure in sub-Saharan Africa, largely because of these countries' inability to adapt tribal cultures to the needs of a modern society. Some countries, such as Zaire, had already been swallowed by anarchy, brutality, corruption and crime before Aids came along. All these countries face acute political, social and economic problems. Now they also face the loss, over a period of a decade or so, of a high proportion of the ablest and most active people in their populations.

Given the length of time it takes medical research to produce a viable product for general distribution, and the poverty of most of Africa, it seems unlikely that this grim prospect will be averted by a new medical discovery. The world has largely turned its back on Africa, despairing of finding effective ways to help. Yet this is not a possible attitude. Five hundred million people are threatened with a fatal disease, and, beyond disease, with the collapse of state structures, tribal wars, crime and famine. The rest of us cannot just turn our backs on Africa and regard it as the continent that failed.

EMU could sink Blair, too

Peter Riddell on why Labour has little cause to crow over Tory splits on monetary union

Tony Blair should not crow too much about the renewed Tory infighting over a single European currency. The issue could be as awkward for Labour as it is now for the Tories. Both main parties are indulging in wishful thinking: the Tories by pretending that the decision may never have to be faced and Labour by evading the implications of its general support.

Monetary union will not go away, despite Jacques Chirac's friendly words on Saturday. Germany and France are likely to press ahead in 1999. Although that will be the other side of the next British election, that does not mean that the issue is remote or hypothetical, as John Major claims. Decisions on which countries qualify for monetary union, and which want to participate, have to be taken in late 1997 and early 1998, and can hardly be shrugged off at an election eight or nine months earlier.

Nor are these matters separate from the review of decision-making in the inter-governmental conference due to start next year. Chancellor Kohl's repeated heavy hints that the IGC will not be completed until after the British election makes it more likely that these negotiations will become entangled with the preparations for monetary union. There are links with the political balance between Germany and France.

No British government can be agnostic on monetary union. Of course, there are complicated issues of economic advantage. Much will depend on the structure. But the Tories' current approach is incredible and unsustainable. The Cabinet is not waiting to consider the issue on its merits — Michael Portillo and Jonathan Aitken would never agree — but rather it is putting off a decision for as long as it possibly can.

RIDDELL ON MONDAY

Mr Major himself has not only become more dubious about whether monetary union would work, but, more to the point, he believes that no likely Conservative leader could take Britain into a single currency. The party would split disastrously, as it did in 1845-46 over the Corn Laws and in 1903-05 over tariff reform. In practice, the sceptics have won, as Mr Major himself tacitly conceded on Thursday when he said "the circumstances may not ever be right" for Britain to join a single currency. But he cannot admit this publicly for fear of a revolt by the remaining Cabinet pro-Europeans.

At present, both sides are manoeuvring for position. The pro-Europeans have become more active recently, with the beleaguered band of Tory MEPs organising a conference in Nottingham in a month to fight back against the sceptics. The pro-Europeans are worried by Mr Major's shift towards the sceptics, but they comfort themselves that nothing of substance has yet been conceded. Their aim is to keep the question open. The Cabinet sceptics are content with the current position but some want to push for a commitment in the Tory manifesto that joining would be ruled out "in the lifetime of the next Parliament". This is a less politically explosive way of presenting the sceptics' real aim of never joining.

But, as Geoffrey Howe said at the launch of the Kingsdown report last week, "deciding not to join other currencies in 1999 would be tantamount to a British admission that we did not want to join at all". Mr Major is trying to balance these factions while shoring up his personal position on the Right ahead of an increasingly likely challenge to his leadership in November.

Mr Blair's problems with his party appear less, but they exist, even if largely suppressed now. Labour's pro-European shift is genuine, but has more to do with the employment rights of "social Europe" than with monetary discipline. In stark contrast with the Tories, the bulk of his younger MPs are pro-European, with the opposition mainly coming from veterans. But the divisions would be much larger on a single currency.

Labour's support for monetary union has always been hedged, though Mr Blair has quietly dropped a previous precondition that the European central bank should be made answerable politically to finance ministers. This would be a big change from the Maastricht proposals for a fully independent European central bank. Jacques Santer, the President of the European Commission, said recently that monetary union would go ahead only on the basis of the Maastricht blueprint and could not be renegotiated. The Bundesbank would also oppose any such revision. Mr Blair, however, no longer refers to this requirement.

Instead, his emphasis, like Kenneth Clarke's, is on what needs to happen to make monetary union, and British involvement, a success. In his Bonn speech two weeks ago, Mr Blair gave warning against rushing ahead on a timetable agreed by politicians. He stressed the need for convergence of real economies, as well as financial indicators, pointing to the need for measures to improve the underlying strength of industry to be given time to work.

Mr Blair could face an acute political dilemma early in his government if a core group of countries decides in late 1997 to press ahead with monetary union in 1999. That would be precisely the period, in his first 12 to 18 months in office, when his political power should be greatest, and when the defeated Tories could be most fractious. But a sizeable minority of the Shadow Cabinet, and likely Cabinet, still has big reservations. This group, and many Labour MPs, would have to be persuaded that the government would not be surrendering control over key economic levers. They would demand a referendum. Mr Blair and Robin Cook have talked of obtaining popular consent either by this means or by an election. The promise of a referendum may seem a way out of internal party divisions, though pro-Europeans fear it will exacerbate them.

The paradox remains that a majority in the Commons is broadly pro-European. The challenge for Mr Blair would be to mobilise this majority and avoid being shackled by party divisions, as Mr Major has been.

Brown cow

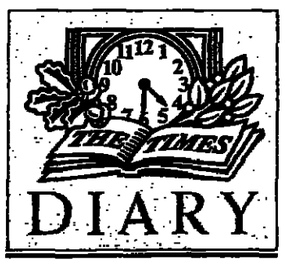
GORDON Brown was more than usually bullish yesterday when he appeared on Gloucestershire's commercial radio station, Severn Sound. By mistake, the radio station transmitted the sound of a cow mooing instead of an interview with the Shadow Chancellor.

The cow noise prompted an avalanche of calls to the station from listeners concerned for Brown's state of mind. Some suggested that the Shadow Chancellor might have succumbed to a new and frightening strain of the dreaded disease bovine spongiform encephalopathy (BSE).

But Gordon McRea, the station's head of news, reassured them that the Shadow Chancellor was in excellent health. Brown's interview about company directors and share options had not been transmitted because of a management mix-up.

"It certainly wasn't meant to be a political comment," he said. "I just got the tapes mixed up. The moo was there for an 'and finally' story about a cow on the rampage in Cumbria." The Shadow Chancellor was heard loud and clear in later transmissions of the news bulletin. But some listeners found the lowing of Cumbrian cattle preferable to Brown's Scottish lilt.

Gordon Brown's stand-in



Bone china

AMONG the many England rugby players singled out for their sterling performance against Australia yesterday was the bulky Number 8. Dean Richards. Within seconds of kick-off, Richards had gashed his forehead; he played on with eight stiches in his head.

It was only on Thursday that Dr Tony O'Reilly lauded the huge man's ability to take knocks and bruises. The Heinz tycoon and former British Lion was at the *Genius of Wedgwood* exhibition's launch at the Victoria and Albert Museum.

"Wedgwood was the Dean Richards of his day," he was saying. "He had a leg amputated but was back at work six weeks later."

Cooked up

JOHN PRESCOTT continues to baffle the voting public. Just last year in Llangollen he disappointed some elderly ladies who had asked for his autograph when he explained that he wasn't their beloved Jimmy Tarbuck.

Now he says he has been mistaken for another portly public figure, when talking of the hurly-burly of political life.

"Someone asked me how I cope with the aggression, whether I wasn't sometimes scared someone would take a swing at me," he recounted in Leeds the other day. "It was only later I realised she thought I was Roger Cook."

● *It wasn't a day for faint hearts or high heels in Windsor yesterday, where rain lashed the JAL Cup at Guards Polo Club. Valerie Campbell, wearing 3in stilettos, picked her way through the mud like a stork through a murky pond. Alan Whicker settled into a corner of the sponsor's marquee. "Let's raise a glass to the British summer," he clinked cheerily.*

Real googly

ON LEARNING of Dickie Bird's return as a Test match umpire after keyhole surgery on his knee, a reader has drawn my attention to the other great umpire of the England Test at Headingley.

Bird, he points out, has the shortest surname of any umpire. His man boasts the longest: Venkataraghavan. His friends commonly refer to him as "Venkat" but in his days as a county cricketer for Derbyshire he was called "Rent-a-caravan" by his team-mates. Newsreaders are invariably stumped by his first name too — Srinivasaraghavan.

Number's up

IF ANYONE has doubts that the Tories will fight the next election on the issue of tax, they should be dispelled today. Kenneth Clarke will announce the appointment of a leading City tax expert as a special Treasury adviser.

Edward Troup, 41, a partner with solicitors Simmonds & Simmonds, will advise all the Treasury ministers on taxation issues. "He's a real tax number-cruncher," says a Treasury insider.

His appointment takes the number of special advisers at the Treasury to three for the first time under Clarke's tenure.

I think we're approaching Bradford

Kingly perk

THE WAISTCOAT worn by George III during the final stages of his madness is expected to fetch £3,000 at an auction later this month. The faded garment of pale blue silk damask (slightly stained by the monarch) was sold by a royal footman to George IV's chaplain after the King's death in 1820.

The Rev William Mansel passed it on to a friend and the waistcoast is accompanied by three letters to him. "You expressed a desire to be in possession of some article worn by the late King," wrote Mansell from Windsor Castle in 1821. "I am now happy to inform you I have procured you part of his attire which I have no doubt was the last article he wore in this world."

King's ransom for royal raiment

Christie's explained that footmen considered the selling of royal clothes as a perk. Nowadays, it is stories they sell to newspapers.

● *England's victory in South Africa was reflected on the turf in France. Just a couple of hours after the game, a French-trained filly romped home at Chantilly to win the* Prix de Diane Hermes *(French Oaks). Her name is Carling.*

P·H·S

CABINET CRUNCH

The Tories need a new team for a new European policy

John Major can be forgiven a certain weariness when he listens to the words of Baroness Thatcher in her interview with Sir David Frost tonight. But if he merely sighs and changes channels, he will give up what could be his last and only chance of revival.

Little by little the Prime Minister has been shifting the position of the Government towards a European policy that the broad mass of party and country can support. As we argued on Friday, the currency crunch is upon us: a pledge not to enter a single currency in the lifetime of the next Parliament is needed next — and fast. If Mr Major were then to reshuffle his Cabinet so that the pledge could be fully trusted, his party will begin to unite around him again.

There will be risks and threats from Kenneth Clarke and others: but better to face those risks with the party and his predecessor gathering behind him than to face the future without that support. The Prime Minister would like us to believe that there will be no substantial reshuffle till next year. If he intends to surprise us, we look forward to being surprised. But, assuredly, the time to act is before the summer recess: the time to plan that action is now.

Mr Major does not like to cause his colleagues pain. Fortunately, little pain is necessary. Douglas Hurd has remained in the Foreign Secretary's job out of loyalty to Mr Major. His last great act of support was to back the Prime Minister's brave policy in response to the Bosnian Serb hostage-taking. But he has been keen to depart for some time — as long as the time was right. That time has come. The new Foreign Secretary must be able to reassure the Tory party and the electorate on opposition to monetary union. Some would argue for the boldest choice, that of replacing Mr Hurd with Michael Portillo. Boldest would not be wisest. Although it bring the greatest reassurance for the next inter-governmental conference (Mr Portillo is, of all the Cabinet, the man most likely to take risks to preserve freedom of British action at home and abroad) it would be unnecessarily damaging to the chances of keeping the party behind that new policy.

Mr Clarke's authority has faded somewhat in the past few months. But he is still a force. Like Mr Hurd, he would be unhappy with the pledge to remain outside a single currency. But if he were prepared, in principle, to live with it rather than resign, the promotion of Mr Portillo to Foreign Secretary could just push him over the edge. Moreover, if Mr Clarke were to jump off the edge at some point anyway, Mr Portillo would best be available to be Chancellor.

Another choice would be Michael Howard, the Home Secretary, who is often described as a Euro-sceptic but never quite qualified to be a "bastard". Again, Mr Clarke ought to be able to stomach a promotion for his old friend from Cambridge days. The difficulty would be to replace him in the Home Office, a fearful job for a Conservative, particularly one facing a sullen and angry party before a general election.

Better, on balance, would be a shift for Mr Portillo to the Ministry of Defence and for Malcolm Rifkind to the Foreign Office. This is a job, for which Mr Rifkind has been preparing. His speeches have become much more realistic about Europe of late. It would be ideal to have a greater sense of where his heart lies: his instincts, however, are acute. His relationship with the Prime Minister, jagged in the past, is gentler now. Mr Rifkind's promotion would not by itself restore the faith of the Right in Mr Major's premiership. But Mr Major might prefer a solution in which he led more of the reassurance campaign himself.

Other Cabinet moves are easier — and equally free from unwanted pain. Richard Ryder, the Chief Whip whose headmasterly approach will tonight attract Lady Thatcher's scorn, is more than willing to leave. Jeremy Hanley, party chairman, knows he must be moved: so too, Virginia Bottomley, the Health Secretary. Brian Mawhinney remains the best choice to weld the unwieldy command structure of Central Office into a vote-regaining machine. And there is room for other change.

But Europe remains the key. It may not be the issue that daily troubles the electorate but it is the issue that at the next election can separate Tory from Labour, Major from Blair, and bring back the party's heroes to the party's cause. When Lady Thatcher and Lord Tebbit feel able to fire their biggest shots in favour of their party rather than against it, the public may find cause for faith as well.

SERIOUS ABOUT SYRIA

Now Assad must get serious about Israel

In the knotty politics of peace in the Middle East, patience and perseverance are a man's best friends. Despite his other failings, Warren Christopher, the American Secretary of State, appears to have an enviable surplus of both these qualities. He has just completed his thirteenth trip to the region: he met old friends and interlocutors yet again, and paid a visit also to an old adversary, President Assad of Syria.

Mr Assad is the Arab leader who has so far been the least willing to dilute long-standing hostility towards Israel. Even on this thirteenth visit, Mr Christopher, as usual, has secured no concrete concession to peace from Damascus: the "all or nothing" approach to the Golan Heights continues stubbornly to inform official Syrian policy. Yet there are intriguing signs to be read. In the manner of the totalitarian society over which Mr Assad presides, the only place to read them is between the lines of official Syrian newspapers.

Ath-Thawra asserted that the "foundations of progress" had been laid, and stressed the need to find ways to implement "security arrangements" that would accompany an Israeli withdrawal from the Golan Heights. Possibly Mr Assad has finally understood that unless he moves quickly on the Golan, making fewer demands of Israel and giving to Yitzhak Rabin some essential concessions, the prize of its return will almost certainly elude his grasp.

Optimism must be tempered, however: the Syrian President's formal posture has not altered at all. Israeli and Syrian Chiefs of Staff will meet in Washington in a fortnight's time for yet more "talks about talks". Such talks have occurred periodically since 1991 and it is time that Damascus adopted a more imaginative approach. A summit meeting between Mr Rabin and Mr Assad — as the Israeli Prime Minister is reported to have suggested — cannot be delayed any longer. If it is, Syria stands only to squander its best-ever chance to regain the territory it lost to Israel, in the war of 1967.

Mr Rabin and Shimon Peres, his Foreign Minister, appear determined to conclude a peace agreement with Syria before next year's Israeli general elections. They have accounted correctly that their prospects of an electoral victory — at present dim — can only be enhanced by delivering to the Israeli people a comprehensive peace agreement with all foes of the Jewish state.

Drawing back from peace would only play further into the hands of the opposition Likud party — and the Likud leaders, in any case, make better rejectionists than Mr Rabin and Mr Peres. Since Benjamin Netanyahu, the leader of the Opposition, has sworn that his party will not return an inch of the Golan to Syria, Mr Assad would be committing a blunder if he were to turn his back on Mr Rabin's offer of a calibrated peace agreement. A return of some of the Golan — with the prospect of more land back in exchange for good behaviour — has to be better than the return of none at all.

Mr Assad cannot afford to forget that the Israeli Government is committed to a referendum on the Golan question: there can be no transfer of land to Syria without the imprimatur of the Israeli people. That is a referendum which Mr Assad, as much as Mr Rabin, will have to win. They must meet soon to forge a winning strategy. If they do not, Mr Assad will lose the land to which he is so inflexibly committed.

THRILLING TRIES

Rugby stages a memorable drama of triumph and disaster

Only a ripping yarn for schoolboys would have the cheek to invent a finish like England's victory over Australia in the Rugby World Cup yesterday. After several changes of lead, the scores were level. The first extra time in the history of the tournament was only a blast of the referee's whistle away. Not a breathless hush but an incredulous roar rang around Newlands.

Then came a pinpoint throw into the line-out. England grabbed the ball with a giant's leap. Scrumhalf spun the ball back. And with the inevitability of a snooker champion potting black, Rob Andrew dropped the winning goal from 40 metres out by the touchline. This was the kind of game after which people often insincerely declare that it was a pity either side had to win: but not England supporters, starved of triumph, and with their rugby team their only international side that has pretensions to be the greatest.

Mercifully, the game was decided not just by the lottery of penalty goals and the mechanical accuracy of modern place-kickers. It included two memorable tries. This was a game for the cavalry charge as well as the phalanx and the mortars. It was played with ferocious commitment that would have had the players prosecuted for assault and battery anywhere except on the rugby field. But to spectators outside the mauls there was no evident foul play.

In the other quarter-final, Scotland lost with honour to New Zealand and their galloping Goliath, Jonah Lomu. But they gave a display of prickly defiance in adversity. And by scoring 30 points, including a pushover try, and driving the might of New Zealand backwards in the mauls and rucks, they gave England something to play for and the All Blacks something to think about in next Sunday's semi-final.

Rugby is, they say, unpersuasively, only a game, not warfare carried on by other means. In spite of this being called the World Cup, not all the countries in the world yet play rugby, and the top eight sides are a West Indies cricket score ahead of the rest. But yesterday, the countries that gave the game to the world, and their old colonies which took it up with such enthusiasm, gave an exhibition of the game at its best.

LETTERS TO THE EDITOR

1 Pennington Street, London E1 9XN Telephone 0171-782 5000

Channel 4 charged with abuses of taste and religion

From Lord Annan

Sir, You report today that the Independent Television Commission has issued "a formal warning" to Channel 4 about a programme which it broadcast last December in its series called *The Word*, designed for a young audience. The programme showed a man dragging a woman by a rope attached to his penis, a man dressed as Santa Claus vomiting over a victim, and a colostomy bag containing fake urine being emptied over another person.

You quote Michael Grade, chief executive of Channel 4, as stating that "while we fully respect and support the ITC's statutory role, today's rulings are concerned with highly subjective judgments". Elsewhere he referred to "independent research" which has shown that the ITC is "out of touch with the established audience which has enjoyed *The Word* for five years". He has also said that the ITC ratings will not influence Channel 4's decision about the future of the series.

Mr Grade is a brilliant television mogul, but on this occasion he has used the language of an insolent jackanapes. He cannot possibly "respect and support" ITC's authority. If he did he would at once apologise and promise not to commission a further series. The ITC was set up by Parliament to safeguard the public against gross breaches of taste, and he is lucky to escape from the infliction of a swingeing fine.

Does Mr Grade expect us to believe the media-speak twaddle about "independent research"? Or does he think we are all so ignorant as to believe that all moral judgments are "subjective" and by implication worthless?

Clearly his mind needs stretching by a few elementary textbooks on ethics which will enable him to realise that Channel 4 should not celebrate moronic presenters of programmes for sniggering schoolchildren.

Yours etc,
NOEL ANNAN,
16 St John's Wood Road, NW8.
June 8.

From Lord Elton

Sir, On the evening of June 6 Channel 4 television broadcast *The Last Temptation of Christ*, a film earlier withdrawn from transmission by the BBC in the light of claims that it was blasphemous. While a brief note, scrolled through with the credits, showed that it was not based on the Gospels, it was evident throughout the film that the principal characters were intended as Jesus Christ, His disciples and their contemporaries.

Whether or not it is blasphemous, the film is deeply offensive to very large numbers of Christians. The imputation of sin to Christ is as fundamentally shocking to a Christian as the imputation of sin to God would be to a Jew — with this difference, that it can be visually and therefore more directly presented to the viewer. To committed Christians Christ is not just a revered historical figure; He is a living and beloved person with a nature to cherish and worship.

Such treatment of Christ is, to a Christian, as shocking and unacceptable as similar treatment of their husband or wife would be to anyone else who was happily married. This is why the often repeated comment, "if you don't like it you can turn it off", really does nothing to make the broadcasting of such material acceptable. One does not have to stay in a room to hear one's wife slandered; but the fact of the slander is no less deeply offensive, and the injury to her reputation no less real, because it is uttered in one's absence.

Prima facie Tuesday night's broadcast would seem to be a breach of Section 6 of the Broadcasting Act 1990, which requires the Independent Television Commission to see that religious programmes transmitted by licensed broadcasters "do not involve ... any improper exploitation of any susceptibilities of those watching the programmes, or ... any abusive treatment of the religious views and beliefs of those belonging to a particular religion or religious denomination".

I hope the ITC now imposes an appropriate penalty on Channel 4.

Yours faithfully,
ELTON,
House of Lords.

Reluctance to sue for medical injury

From Mr Robin de Wilde, QC

Sir, Your leader of May 24 and the letter from Mr R. J. Ayling (May 29) are perpetuating a great myth, namely that medical negligence litigation in the United States is a growth industry generated entirely by lawyers to the detriment of doctors. It is a myth not entertained by the professionals concerned with this subject, either here or in the United States.

In 1989 the Harvard Practice Study was carried out, asking four main questions:

(a) How frequent is medical injury among hospitalised patients, and what fraction of these injuries result from negligence?

(b) What proportion of permanent injuries resulting from medical treatment lead to claims and litigation?

(c) What are the costs of medical injury to society?

(d) What effect does the threat of litigation have on clinical practice?

The answers were surprising, especially in respect of (b). A random sample of 30,195 records of patients was screened, showing about eight times as many injuries resulting from medical treatment as claims, and probably 14 such injuries for every paid claim. The true odds of a claim following an actual injury are closer to 1:50 than 1:8, because many claims were started where there was no negligence.

A similar study in 1991 by the Pennsylvania State University College of Medicine, after evaluating 30,000 hospital records, found that only one person in 65 injured by the negligence of a health worker filed suit for compensation.

No one knows conclusively what the figures are in the United Kingdom, but it seems probable that, as in the US, many people with true claims do not sue and have no wish to.

Yours sincerely,
ROBIN de WILDE,
199 Strand, WC2.
June 7.

Reforming Europe

From Mr Martyn Bond

Sir, Timothy Garton Ash's article, "Alas for Europe: from Messina to plain mess" (June 6), makes an elegant but over-pessimistic prognosis of failure at the forthcoming inter-governmental conference (IGC).

What we ought to do, he suggests, is to streamline the European Union to permit rapid enlargement, improve co-ordination of foreign and defence policies, cut red tape, reduce protectionism, reform the common agricultural policy, renegotiate the budget, increase competitiveness and maintain employment. Admirable goals but, even before negotiations begin, he fears we will not achieve them.

Admirable goals indeed, which can also be found in the European Parliament's recent resolution on the functioning of the EU treaty and the IGC. This far-reaching set of 45 practical proposals was adopted in Strasbourg last month on the basis of a report by Jean-Louis Bourlanges (French Christian Democrat) and David Martin (UK Socialist).

Two other MEPs, Elmar Brok (German Christian Democrat) and Elisabeth Guigou (French Socialist), are members of the "reflection group" preparing the IGC, along with representatives of the member states and the Commission. They report to heads of government in December. The jury is still out. It is far too early to be pessimistic about reforming the Union.

Yours etc,
MARTYN BOND
(Head of Office),
European Parliament,
United Kingdom Office,
2 Queen Anne's Gate, SW1.
June 6.

History teaching

From Mr Chris McGovern

Sir, Martin Titchmarsh (letter, June 7) questions Lord Blake's suggestion that English history "is very badly taught in schools", quoting the satisfaction of inspectors with most lessons for 16 to 18-year-olds. Unfortunately there is more than this to the story.

The same inspectors' report found that standards in history were "good or very good" in fewer than two lessons out of ten at junior school. Yet, astonishingly, primary school history has been acclaimed by Government as "one of the great triumphs of the national curriculum" (Hansard, Lords, May 22).

The most reliable judgment on the quality of history teaching in our schools is being given by our children. The vast majority, over two-thirds, drop the subject at the earliest opportunity, when they are 14.

Yours sincerely,
CHRIS McGOVERN
(Director, History Curriculum Association),
Windover, Punnetts Town,
Heathfield, East Sussex.

Argentine war dead

From the Chief Executive of the Falkland Islands Government

Sir, Contrary to the implication in your leading article of June 6, "Thirteen years on", no request has been received from the Argentine Government for a further visit to the graves of the 232 soldiers buried in the Darwin military cemetery.

If one were received it would be considered in a sympathetic light. We are too conscious of the suffering of British families whose loved ones were killed in achieving our liberation to wish to add to the pain of anyone bereaved by the 1982 conflict.

You mention a visit by the relations of those killed in the Learjet which crashed on Pebble Island on June 7, 1982. The remains, which were discovered in January 1994, were buried with full military honours on Pebble Island last April. When they were discovered the Argentine authorities were asked whether they wished to arrange a visit by their families to the grave on Pebble Island.

No response was received and the matter appeared to lapse, until in April this year the Argentine Government brought up the question of a visit by families again. We have offered two dates in October for a visit to Pebble Island (which would include a visit to Darwin cemetery) and now await the Argentine response.

We have all along made it clear that the remains of any of the Argentine war dead may be returned to Argentina at any time — as many of their families would clearly prefer. It is the Argentine Government which insists on their dead being left in the Islands — to make a political point.

As long as the Argentine sovereignty claim remains, our relations with Argentina can never be normal. But that has not and will not stop us sympathising with those Argentines who have suffered directly from their Government's actions in 1982.

Yours faithfully,
ANDREW GURR, Chief Executive,
The Secretariat,
Stanley, Falkland Islands.
June 6.

US sanctions on Japan

From Mr James Bourlet

Sir, America is threatening to impose punitive sanctions on imports of Japanese luxury cars, alleging closed markets for American cars in Japan (report, Business, June 5).

Meanwhile Japan imports huge numbers of Mercedes and BMWs and a smaller but rising number of Jaguars and Range Rovers. The Japanese market is demonstrably *not* closed now.

A decade ago America imposed higher beef imports on Japan which Japan accommodated in the only way possible — by curtailing imports of Australian beef. Today, more American cars forced on Japan will lead to restrictions on European cars. So we cannot stand idly by — this move by America is in fact aimed at us. Well, at Germany anyway.

Yours faithfully,
JAMES BOURLET,
(Honorary Secretary),
Economic Research Council,
239 Shaftesbury Avenue, WC2.

Volunteering doubts

From Mrs Wendy Saunders

Sir, I welcome the Government's newfound interest in volunteering (report, June 7), but as one of more than 340 organisers of existing volunteer bureaux I am puzzled by its determination to reinvent the wheel.

In most big towns and cities in Britain, such bureaux exist to promote, support and match volunteering skills to local needs and opportunities, working closely with voluntary organisations in their area. In my experience, nearly all are desperately underfunded.

Why then is the Government planning to create 20 new volunteer development agencies, each with a budget of £60,000 over two years, not to mention the costs involved in promoting such a scheme and in setting up yet another quango, the Voluntary Partnership?

If the Government really wants best value out of its planned £6 million scheme I and many other volunteer bureaux managers across the country would be only too willing to help.

Yours faithfully,
WENDY SAUNDERS (Manager),
Daventury Volunteer Bureau,
The Library North Street,
Daventry, Northamptonshire.

Set fair?

From Mr Graham Turner

Sir, I find our TV weather forecasts ludicrously over-gloomy. Here in Oxfordshire we had the most delightful spring that I remember; but would you ever have guessed?

Sincerely,
GRAHAM TURNER,
Birch Copse House,
Boars Hill, Oxford.
June 10.

Out of time

From Professor M. J. Daniels

Sir, On June 2 I received a letter, postmarked June 1, written on May 31, inviting me to attend an outpatients' clinic at Addenbrooke's Hospital on May 30. It appears that National Health Service reforms have had the startling effect of reducing waiting times below zero, to negative values.

Yours sincerely,
M. J. DANIELS,
9 Mile End Road, Norwich, Norfolk.

Coach safety

From Mr David Watson

Sir, Far from being obsolete (letter, June 7; also letter, May 31), the static tilt test for coaches (35 degrees and 28 degress for single and double-deck vehicles respectively) is under active consideration for adoption by the European Union.

The need to pass the test cannot now be regarded as "an incentive to design light, flimsy roofs", since all coaches first used in Great Britain on or after April 1, 1993, have to conform to an international strength of superstructure requirement.

In every mechanical device materials and methods of construction change and evolve with time. The technology was not available until the late 1980s to build coaches with the stronger steel-framed bodies needed to sustain roll bars or roll-over cages. The date of the regulation reflects this, and in fact Britain is probably the first European state to have incorporated it into domestic law.

Yours faithfully,
DAVID WATSON
(Director Public Affairs),
Confederation of Passenger Transport UK,
Sardinia House,
52 Lincoln's Inn Fields, WC2.
June 7.

Naming a widget

From Professor Peter Stubbs

Sir, Mr Hammerton (letter, June 7) suggests that the word "widget" should be extracted from beer cans and restored to its rightful anonymity. I hope so, as in that anonymity we teachers could, and did, use it as a value-free example of a product in our lectures.

But "draughter" as a substitute? Wouldn't "frother" be just as descriptive, easier to spell, and find an equally empty slot in the Oxford English Dictionary?

Yours etc,
PETER STUBBS,
25 Hawthorn Lane,
Wilmslow, Cheshire.
June 7.

From Mr Guy Selby-Lowndes

Sir, If Mr Hammerton disregards the instructions on his can of beer he may be able to extract a widget from one of them. Many of the widgets are embossed to show that they are the subject of a registered design, No. 2,006,427.

According to the Designs Registry in Newport the title of the article to which the design refers is a "gas capsule". This is the exact name, but I prefer the one Mr Hammerton proposes.

Yours faithfully,
GUY SELBY-LOWNDES
(Chartered patent attorney),
Moonrakers, Durfold Wood,
Plaistow, Billingshurst, Sussex.
June 7.

From Mr Stephen Cox

Sir, Canned beer cannot be draught, no matter how excited the claims for the marketing managers. A draught beer must be drawn from a larger container.

I am sure readers of *The Times* would not favour further abuse of the English language. Widget is both ugly and meaningless, and therefore a perfectly good term to use.

Yours faithfully,
STEPHEN COX
(Campaigns Manager),
Campaign for Real Ale,
230 Hatfield Road,
St Albans, Hertfordshire.
June 7.

Cloud of Chernobyl

From Dr Keith F. Baverstock

Sir, The case of Igor, the subject of Network First's television documentary, *Igor — Child of Chernobyl* (review, June 7; see also "Born under the cloud of Chernobyl", Body and Mind, June 1) is indeed tragic.

However, the film's associated claim, reported in your preview of June 6, that 1,000,000 similarly deformed children are the result of exposure to Chernobyl radiation is not credible. Over 2,000 children are born in Belorussia each year with severe deformities and disabilities which are due to birth defects and hereditary conditions and have nothing to do with radiation.

Similar rates occur throughout Europe. Between 40 and 80 of such cases will involve severe limb deformities. It is not possible to know that a particular case has been caused by Chernobyl.

If it is assumed that the total population living in the more heavily contaminated regions around the site of the accident number 10 million, then there will have been about 1,200,000 live births since the accident.

I have been working in Belorussia on the increase in thyroid cancer for the last three years and I think I would know if 80 per cent of the children born since the accident were deformed.

Without in any way minimising the health effects of exposure to radiation, little good and much harm result from exaggerating them. What we call the psycho-social effects of the accident are already diminishing the quality of life and wellbeing of millions of people, and are even leading to illness and premature death.

This phenomenon, born of fear — very often irrational fear — for the future health of individuals and their offspring is sustained and enhanced by misinformation of the kind perpetrated in this film and your preview of it. While the unfortunate Igor may benefit, many others will find their lives blighted by unfounded fears.

Yours sincerely,
KEITH F. BAVERSTOCK
(Radiation scientist),
European Centre for Environment and Health,
Via Vincenzo Bona 67, I-00156 Rome.

Letters should carry a daytime telephone number. They may be faxed to 0171-782 5046.

COURT CIRCULAR

BUCKINGHAM PALACE
June 10: The Queen, with the Duke of Edinburgh, accompanied by Queen Elizabeth The Queen Mother, Princess Alexandra, the Hon Lady Ogilvy and the Hon Sir Angus Ogilvy, honoured Epsom Races with her presence today.

The Ladies and Gentlemen of the Households in Waiting were in attendance.

Today is the seventy-fourth Anniversary of the Birthday of the The Duke of Edinburgh.

The Queen was represented by Sir Ashley Ponsonby, Bt (Her Majesty's Lord-Lieutenant of Oxfordshire) at the Memorial Service for Sir William Hayter (formerly Her Majesty's Ambassador Extraordinary and Plenipotentiary at Moscow) held in New College Chapel, Oxford, today.

BUCKINGHAM PALACE
June 10: The Princess Royal, Honorary President, the Scottish Motor Neurone Disease Association, this afternoon attended the Annual Conference and Annual General Meeting of the Association at Battleby Conference Centre and was received by Her Majesty's Lord-Lieutenant of Perth and Kinross (Sir David Montgomery, Bt).

Mrs David Bowes-Lyon was in attendance.

BUCKINGHAM PALACE
June 11: The Duke of Edinburgh, Patron and Trustee, The Duke of Edinburgh's Award, and President, Guards Polo Club, this afternoon visited the Guards Polo Club, Smith's Lawn, Windsor Great Park.

Birthdays today

Professor Michael Adler, venereologist, 56; Miss Brigid Brophy, author, 66; Mr George Bush, former American President, 71; Mr C.D.L. Clark, publisher and lawyer, 62; Mr John Copley, opera producer, 62; the Earl of Cromartie, 47; Mr Michael Fabricant, MP, 45; Sir Peter Froggatt, former Vice-Chancellor, The Queen's University, Belfast, 67; Lady Herries of Terregles, racehorse trainer, 57; Sir Kenneth Hollings, former High Court judge, 77; Mr Pat Jennings, footballer, 50; Mr Peter Jones, actor, 75; Lord Justice Kennedy, 60; Viscount Knollys, 64; Mr Oliver Knussen, composer, 43; Lord McCluskey, 66; Dr Ernest Mario, former chief executive, Glaxo Holdings, 57; Lord Mayhew, 80; the Very Rev Dr R. Selby Wright, Minister Emeritus of the Canongate, Edinburgh, 87; Mr John Townend, MP, 61.

Today's royal engagements

The Duke of Edinburgh, as Master, will attend the Trinity-Tide dinner at Trinity House at 6.40.

The Princess Royal, as President of the Animal Health Trust, will attend a buffet reception on board *HMY Britannia*, Portsmouth, at 6.

Princess Margaret will open the Rontgen centenary congress, marking the centenary of the discovery of X-rays at the International Convention Centre, Birmingham, at 2.30.

The Duke of Kent, as Grand Master of the United Grand Lodge of England, will attend the Number 10 Convocation at Freemasons' Hall at 5.20; and will attend a *reception at the Oriental Club at* 6.20.

The Duchess of Kent will open the annual assembly of the confederation of British Wool Textiles at the Royal Hall, Ripon Road, Harrogate, at 6; and will attend a dinner at the Majestic Hotel at 7.

New fellows

The following have been admitted to Fellowship *ad eundem* of the Royal College of Obstetricians and Gynaecologists:
Professor Fiona Broughton-Pipkin, Professor Jelte De Haan, Professor Dian Donnai, Professor Albert Huch, Professor Wolfgang Kunzel, Dr Elizabeth Letsky, Dr John McEwan, Professor Felicity Reynolds, Professor Olavi Ylikorkala.

Inner Temple

Gary Denis Flather, QC, Christopher Patrick Brooks Purchas, QC, Pamela Scriven, QC, Nicholas David Padfield, QC, and Patrick Elias, QC, have been elected Masters of the Bench of the Inner Temple.

Nature notes

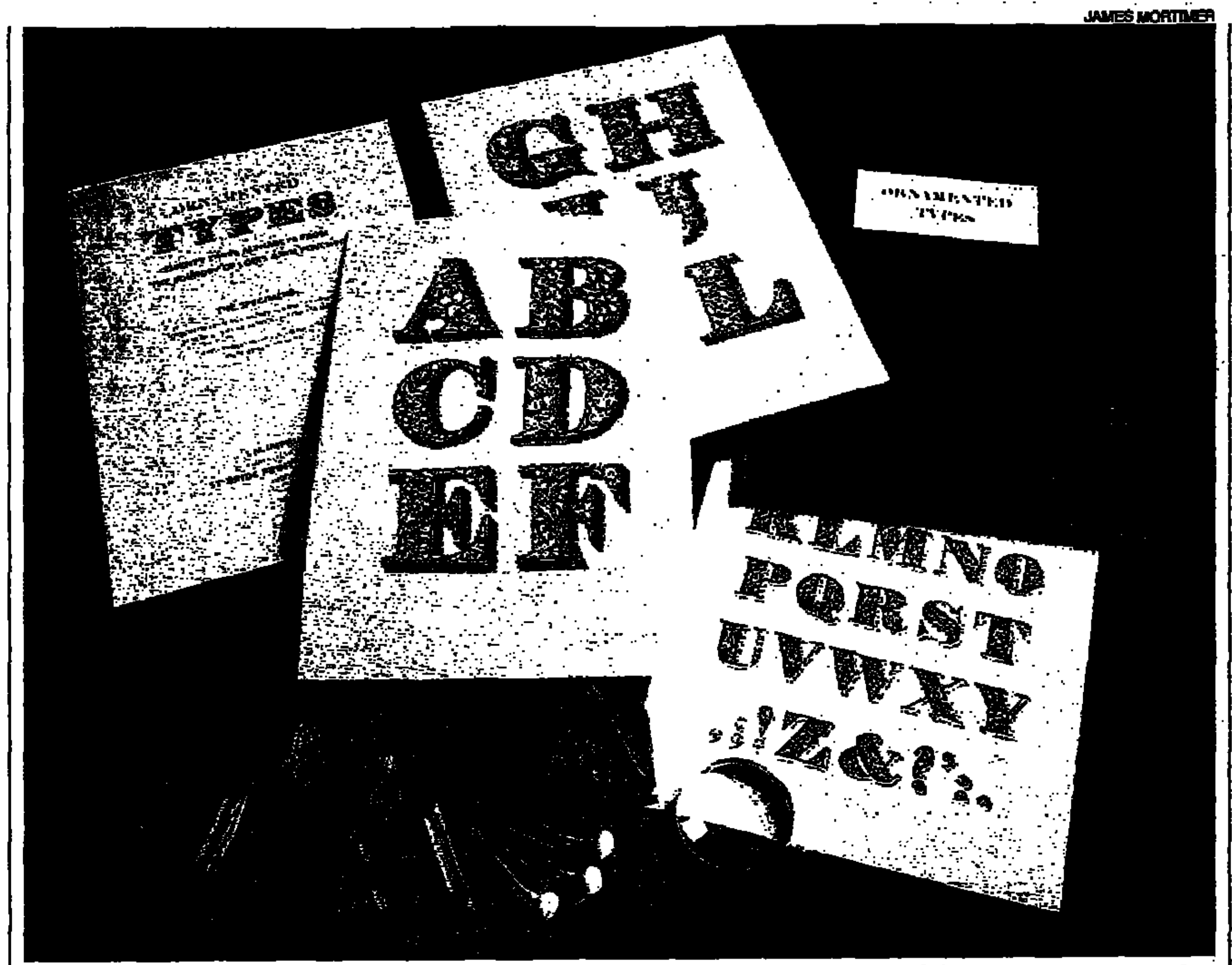
The blackcap

HOUSE martins have been scarce this year, but those that have returned from Africa are now sitting on eggs in their mud nests under the eaves of houses. The parents usually *roost in the nest together.*

Blackcaps have been concealing themselves in the thick foliage, but the young *birds are now out of the nest* and the parents are more easily seen as they fuss around them in the bushes, *making sharp ticking notes.* Lesser whitethroats are singing in the hedges: they have a loud, rattling song, preceded by some quiet, musical notes that can only be heard at very close quarters.

Tall clumps of white campion are in flower: the five notched petals sometimes have a pink tinge where it has hybridised with red campion. The smaller white flowers of bladder campion often grow near by: it can be recognised by the fat, fleshy calyx, like a small grape, at the base of the petals. Hogweed is taking the place of cow parsley on the roadsides. The dandelion-like flowers of goat's-beard sit in the middle of long, spiky bracts; some already have seed-heads, which are like crystal globes until they disintegrate into a cloud of large, fluffy parachutes.

DJM



Pages from the prize-winning *Ornamented Types*, by Ian Mortimer, and the tools of the letter engraver's trade

Art of letters wins bibliophiles' Oscar

By Jim McCue

BRITISH books have won both categories of the bibliophile equivalent of the Oscars, the international Feliciano awards.

The prizes, worth 6 million lire (about £2,300), are awarded in Verona every two years, to encourage work on "the history, art and quality of books".

The prize for book design was won by Ian Mortimer for *Ornamented Types*, an unparalleled hand-printed edition of a collection of wooden display letters, *made probably in the 1820s* and up to 4½ in high.

The 782 finely engraved characters were intended for posters, and are embellished with anything from fruit to agricultural implements and masonic symbols.

The book took eight years to plan and produce, with some single pages taking as long as a week to print. Limited to 200 sets, it is available from I M Imprimit, 219a Victoria Park Road, Hackney, E9 7HD, price £1,950.

The other prize, for research into books, was won by Nicolas Barker, for a pioneering study of the *Hortus Eystettensis* of 1613, the first book devoted to recording the beauty of flowers.

Now, in *Hortus Eystettensis: The Bishop's Garden and Besler's Magnificent Book*, which is published by the British Library at £40, botany and bibliography flourish in the same hedgerow.

A full report on the Felice Feliciano Prizes will appear in *The Times Literary Supplement* on June 23.

Service reunion

No XV Squadron
Air Marshal Sir Michael Simmons, President of the XV Squadron Association, and Lady Simmons were the guests of honour at the squadron's 80th anniversary celebrations held on Saturday and Sunday at RAF Lossiemouth. Wing Commander G.A. Bowerman, Officer Commanding No XV(R) Squadron, presided.

Service luncheon

The York and Lancaster Regiment
Brigadier R. Eccles, President of The York and Lancaster Regiment, was in the chair at the annual luncheon held on Saturday at Endcliffe Hall, Sheffield.

Luncheon

Lord Mayor of Westminster
The Lord Mayor and Lady Mayoress of Westminster, Councillor Alan Bradley and Councillor Pamela Batty, were the hosts at a luncheon held yesterday at City Hall after the annual civic service in Westminster Abbey.

Dinner

Guild of Catholic Doctors
Dr Kenneth Calman, Chief Medical Officer, Department of Health, was the guest of honour at the Guild of Catholic Doctors annual symposium and meeting held on Saturday at the Holiday Inn, Sutton. Dr A.P. Cole, Master, presided. The Right Rev Howard Tripp was also present.

Memorial services

Sir William Hayter
The Queen was represented by Sir *Ashley Ponsonby, Lord Lieutenant* of Oxfordshire, at a memorial service for Sir William Hayter, former diplomat and Warden of New College, Oxford, held on Saturday in the Chapel of New College.

The Rev Stephen Tucker, Chaplain and Dean of Divinity, officiated *and the Right Rev John* Taylor read the lesson and pronounced the blessing. Sir John Morgan, Dr Penry Williams, Dr Ken Brecher and Miss Teresa Hayter, daughter, gave addresses.

Lord Jenkins of Hillhead, OM, Chancellor of Oxford University, was present. The Secretary of State for Foreign and Commonwealth Affairs was represented by Sir Roger Hervey and the Permanent Under-Secretary of State for Foreign and Commonwealth Affairs and Head of the Diplomatic Service by Mr Richard Wilkinson. The Egyptian Ambassador was represented by Mrs Shaker. Lady Hayter and other members of the family were present.

Dr Joseph Needham
A memorial service for Dr Joseph A. Needham, a former Master of Gonville and Caius College, Cambridge, was held on Saturday at Great St Mary's Church, Cambridge. The Rev John Sturdy, college dean, officiated, assisted by the Right Rev Hugh Montefiore. The Right Rev Lord Runcie gave the blessing. The Rev Brian Watchorn, the Rev Hugh Dawes and the Archimandrite Maximos Lavriotes were robed and in the *choir.*

The Master of Gonville and Caius read the lesson and Professor H.T. Huang, Deputy Director of the Needham Institute, read a passage from the *Li Chi* (Record of Rites), in Chinese and English. Mr Brian Harland and Professor Xi Zezong gave addresses. Among those present were:

The Vice-Chancellor, fellows of the college and members of the university; the Master of Darwin College (chairman, Trustees of the Needham Research Institute) with Professor Ho Peng-Yoke (director), staff and researchers; Professor Wang Yusheng (Chinese Academy of Sciences, Peking).

Dr Eugene Chien (director, Taiwan Representation in London), Dr Philip Mao (East Asian History of Science Foundation, Hong Kong), Professor Nakayama Shigeru (Kanagawa University, Japan) and representatives of many other societies and organisations.

Professor Jacobus De Wet
The Master of Balliol College, Oxford, was represented by Dr Alastair Howatson, Vice-Master, at a memorial service for Professor Jacobus De Wet, mathematician, held on Saturday in the Chapel of Balliol College. The Rev Dr H.D. du Pree, chaplain, officiated. Mr Chris De Wet and Mr Steve De Wet, sons, read the lessons. Dr Peter Collins of St Edmund Hall, Oxford, gave an address.

Anniversaries

BIRTHS: Harriet Martineau, novelist, Norwich, 1802; Charles Kingsley, novelist, Holne, Devon, 1819; *Sir Oliver Lodge, physicist,* Penkhull, Staffordshire, 1851; Anthony Eden, 1st Earl of Avon, Prime Minister 1955-57, Bishop Auckland, Durham, 1897; Leon Goossens, oboist, Liverpool, 1897; Anne Frank, Frankfurt am Main, 1929.

DEATHS: William Collins, poet, Chichester, 1759; Thomas Arnold, educator, Rugby, 1842; John Nicholson Ireland, composer, Washington, Sussex, 1962; Sir Herbert Read, poet and critic, Malton, Yorkshire, 1968; Sir Billy Butlin, holiday camp promoter, Jersey, 1980; Dame Marie Rambert, founder of dance company, London, 1982.

Magdalen College, Oxford, was founded, 1458.

Rotherhithe-Stepney tunnel under the Thames was opened, 1908.

Princess Anne became the Princess Royal, 1987.

Latest wills

Mrs Eleanor Yates Roberts, of Canford Cliffs, Dorset, left estate valued at £747,268 net. After various bequests she left the residue to the Imperial Cancer Research Fund.

Mr Eric Fulton Dadson, of Shanklin, Isle of Wight, executive of the gas industry and early wartime member of the Special Operations Executive, left estate valued at £1,246,698 net.

Forthcoming marriages

**Mr S.N. Byrne
and Miss R.C.M. Shepherd**
The engagement is announced between Simon, son of Mr J.R. Byrne, of Beckenham, Kent, and Mrs V.A. Mackenzie, of Shirley, Surrey, and Rebecca, daughter of Mr and Mrs G.A. Shepherd, of Meonstoke, Hampshire.

**Dr D.R. Gross
and Mrs S.J.F. Alexander**
The engagement is announced between Dr Denis Gross, of Fetcham, Surrey, and Mrs Sally Alexander, of Wandsworth, London.

**Mr A.J. McLintic
and Miss M.E. Price**
The marriage will take place in Bali today, of Mr Andrew John McLintic, son of Mr and Mrs Robert McLintic, of Woodhall Spa, Lincolnshire, to Miss Mandy Elaine Price, daughter of Mr and Mrs Raymond Price, of Bebington, Wirral.

**Mr T.M. Willcox
and Miss S.M.E. Harding**
The engagement is announced between Timothy, elder son of Mr and Mrs David Willcox, of Taunton, Somerset, and Sarah, elder daughter of Brigadier and Mrs Brian Harding, of Cothill, Oxfordshire.

Appointments in the Forces

Royal Navy and Royal Marines

LOCAL COLONEL: R A Fry — 45 CDO RM as CO, 6.12.95

COMMANDER: J D Bray — JHQ Northwood, 12.9.95; C R Laird — Portsmouth, 8.3.96; D F Lane — Staff of Fona, 15.12.95; E R Smith-Jaynes — CWTA Portsmouth, 20.10.95.

CHAPLAIN: R G Hilliard — Excellent, 5.9.95.

Retirements

COLONEL: G J O-N Wells-Cole, 1.7.95.

The Army

Major General J F Deverell, to be Commandant Royal Military Academy Sandhurst, from June 25, in succession to Major General H W R Pike.

Major General H W R Pike to be Deputy Commander in Chief Land in the rank of Lieutenant General, from July 1, in succession to Lieutenant General Sir Michael Rose.

Lieutenant General Sir Michael Rose to be Adjutant General in the rank of General, from July 7, in succession to General Sir Michael Wilkes.

Major General D L Burden to be Director General Army Manning and Recruiting, from July 10, in succession to Major General J F Deverell.

COLONEL: J N Barclay — to HQ UKSC(G), 12.6.95.

LIEUTENANT COLONEL: G W Henderson, RRF, to RMCS, 12.6.95; D W Lethwaite, RA, to be CO 14 Rd Regt, RA, 12.6.95; T W Perks, Reme, to MoD, 12.6.95; D M Steele, R Signals, to be CO 21 Sig Regt (Air Sp), 12.6.95; R D Symonds, R Signals, to HQ 4 DIV, 14.6.95.

Appointments

Hugh Roberts, Deputy Surveyor of the Queen's Works of Art, to be *Director of the Royal Collection* and Surveyor of the Queen's Works of Art when Sir Geoffrey de Bellaigue retires on March 12 next year. Mr Roberts joined the Royal Household in 1988 from Christie's.

Raymond Ball, Director of Administration, the British Library, to be chief executive, the Institute of *Legal Executives, from today.*

Barry David Colgate and John Arthur Charles King to be non-judicial members of the Restrictive Practices Court.

Marriages

**Mr J.M. Barber
and Miss N.R. St John**
The marriage took place on Saturday, June 10, at St Mary's Church, Biggar, of Mr John Barber, son of Professor and Mrs William Barber, of Middletown, Connecticut, to Miss Nicola St John, daughter of Mr and Mrs Oliver St John, of Spittal, Biggar. The Rev John Irvine, the Rev Tom Phillips and the Rev Roger Simpson officiated.

The bride, who was given in marriage by her father, was attended by Miss Emma St John, Jocelyn Weld-Forester, Esther Harrison, Clare Bradley, Anna Wilmot, Alec Barber Grossi, Felix Stevenson and Jack and Harry Tawney. Dr Scott Haig was best man.

The reception was held at Spittal and the honeymoon *is being spent* abroad.

**Mr P.E.F. Best
and Mlle C. Legoux**
The marriage took place on Saturday at the Church of Saint-Didier-sur-Chalaronne, Ain, France, of Mr Philip Best, youngest son of the Hon Patrick and Mrs Best, of Petersfield, Hampshire, to Mlle Catherine Legoux, youngest daughter of M and Mme Claude Legoux, of Lyon, France. Père Colomb officiated.

The bride, who was given in marriage by her father, was attended by Francesca Best, Caroline Legoux, Berengère Tissot-Favre and Hadrien Colrat. Mr Nicolas Whitcombe was best man.

A reception was held at Les Crozes, Saint-Didier-sur-*Chalaronne*, and the honeymoon will be spent in Venice and at Lake Bled.

**Mr R. English
and Miss C. Burrows**
The marriage took place at St Mary's and St Peter's Church, Barham, Suffolk, on Saturday, June 10, 1995, between Mr Rupert English, *son of Mr and Mrs Peter* English, and Miss Carey Burrows, daughter of Mr and Mrs Richard Burrows. The Rev Dr Tom Broadbent officiated.

The bride, who was given in marriage by her father, was attended by Poppy and Cara Delevingne, Samantha Deacon, Christabel Beeson, Mimi Morley and Poppy Skepper. Mr Mark Gilchrist was best man.

A reception was held at Barham Hall and the honeymoon is being spent abroad.

**Mr R.A. Salaman
and Miss J.H. Nash**
The marriage took place on Saturday, June 10, *at Ararat Baptist* Chapel, Cardiff, between Robert Salaman and Judith Nash.

The bride was attended by Mrs Catherine Johnson, Miss Marianne Cronin, Danielle Johnson and Bethan Salaman. Mr Paul Salaman was best man.

A reception was held at Egerton Grey Country House Hotel, Porthkerry.

**Mr I.J.R. Spofforth
and Mrs S.S. Hobbs**
The marriage took place on Saturday, June 10, at St John's, Essex, NY, of Mr Ian Spofforth, of Chichester, and Mrs Sylvia Hobbs, of Essex, NY, USA.

**M P.P.J. Versavel
and Miss J-E. Roberts**
The marriage took place on Saturday, June 10, at St Paul's Church, Chichester, West Sussex, of M Pierre Paul Jeoffroy Versavel, only son of M Jeoffroy Versavel and Mme Agnes Bequaert-Versavel, of France, to Miss Jane-Emma Roberts, youngest daughter of Mr and Mrs Tony Roberts, of Chichester. Canon Keith Catchpole officiated.

The bride, who was given in marriage by her father, was attended by Isobel Canning, Mlle Cecile Versavel and Mlle Laetitia Mangalo. Comte Hubert De Chambure was best man.

A reception was held at Goodwood and the honeymoon is being spent abroad.

The couple will reside in Paris.

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Wisdom of Solomon 4 : 15 (REB).

BIRTHS

BALLINGAL - On 4th June, to Sarah (née Burt) and Alexander, a son, Edward James.

COOPER - On 4th June, to Catherine (née Otter) and Paul, a daughter, Charlotte Grace.

COX - On 7th June 1995, to Sue and Simon, a son, Oliver James, a brother to Jane. Thanks to the staff at Ormskirk Hospital, and a special thank you to Yvonne and all the Beacon Team.

COX - On Saturday, 10th June, 1995 to Tina and Irvin, a son, Michael, Colin, Francis.

GRAHAM - On 31st May in Washington, DC, to Carol and George a second son, Julian.

NEWTON & MATIMONG - *On June 7th to Charlotte (née Hays) twins, a brother and a sister for Poppy.*

TEMPLER - On 6th June 1995, at St George's Hospital, to Caroline (née Evans) and Bill, a son, Jack David Michael, a brother for Edward.

DEATHS

BENTLEY-VANSON - On *May 27th 1995*, at home Olive, wife of the late Frederic Vanson. Funeral service to be held on Tuesday June 13th at St James Church, Clacton-on-Sea, at 12 noon followed by interment in Kirby Cross Cemetery. Flowers may be sent to P.G. Oxley Ltd, 47 High Street, Walton-on-the-Naze. Tel: (01255) 675549.

BOWDEN - On June 7th, after a very short illness, Peggy, aged 75 years. Widow of Guy and deeply loved mother and granny. Funeral at St. Peter's Church, Chailey, Sussex, on Thursday June 15th at 2.00 pm. Flowers or donations to The Stroke Association c/o R.A. Brooks & Son, 35, Wivelsfield Road, Haywards Heath, West Sussex. Tel: (01444 454391).

CHACKSFIELD - Frank, on June 9th 1995, aged 81 years, peacefully at home after a long illness. Beloved husband of Jeanne. Funeral Service at Beckenham Crematorium, Elmers End, Beckenham on Monday 19th June at midday. Flowers to Francis Chappell, 332 Crofton Road, Orpington, Kent.

FABER - Peacefully at home on 9th June 1995, Lady Enid Faber. Funeral at Harting Parish Church, nr. Petersfield, on Monday 19th June at 2.30 pm. Enquiries to L.F. Lintott & Son, tel: (01730) 813264.

FAIREST - Marjorie Rose, passed peacefully away on Friday 9th June, aged 86 years. Beloved widow of Colin. Much loved mother of Paul, grandmother of John, Jane, and David, and great grandmother of Scott and Ben. Funeral Friday 16th June, 12.15pm at Chanterlands Crematorium, Hull. Flowers, or donations if preferred to The Stroke Association, to H Kemp and Son, Funeral Directors, 259-261 Hallgate, Cottingham, North Humberside HU16 4BG (01482 844695).

FOWLER - On 5th June, peacefully after a long illness at Ramsdean House, Alison Mary, widow of George. Beloved mother of Peter and John and much loved mother in law and grandmother. Funeral at St Peter's, Froxfield Green on Friday 16th June at 2.30pm. Cut Flowers or donations to The Alzheimers Disease Society C/O Funeral Services Limited, 19 The Square, Petersfield, 01730 262711.

HATRICK - On June 9th 1995, peacefully at home surrounded by his family after a long illness very courageously borne, Dr. Ian Russell Hatrick, much loved husband of Diana and adored father of Cameron, Andrew, Nicola, Robert and their families. Funeral Service at the Parish Church of St John the Baptist, Wonersh, on Thursday 15th June at 12 noon, followed by a private burial at St Martha On-The-Hill, Guildford. Family flowers only but, if desired, donations towards a garden at the Surgery, Wonersh, may be sent together with any enquiries c/o Robert Ayling Funeral Services, 25 South Road, Guildford, Surrey GU2 6NY, tel: (01483) 67333.

HALPER - On June 9th 1995, peacefully after a long illness, Neville, beloved husband of Naomi and loving father of Sue.

HYDE - William Davis, husband of Elizabeth, father of Sarah and Lucilla and grandpa to his six grandchildren. Died peacefully in King Edward VIIth Hospital Midhurst on June 9th. Lately Senior Partner of Sir William Baird and Partners, Chartered Quantity Surveyors of London and Derby. Date of Funeral to be announced. No flowers, donations please to the R.S.P.B. Pulborough Brooks, West Sussex.

KARNEY - Audrey, on June 8th, after a long illness bravely borne, dear sister of Peter, Tony, Rosamund, Molly and Grace. Funeral at East Chiltington Church on June 16th at 3.30 pm. No flowers please.

KELLY - Thomas George, on June 8th 1995, peacefully at his home in Bretby. Loving husband, father and grandfather. A Service will be held at Bretby Crematorium, Geary Lane, Burton-on-Trent on Wednesday June 14th at 2pm to which all friends are invited. Donations if desired to Bristol Cancer Help Centre, Grove House, Cornwallis Grove, Clifton, Bristol BS8 4PG. Interment of ashes in Yatter Churchyard.

NANCE - His Hon. Francis James on 4th June 1995, after a short illness aged 79 years. Beloved father of John and Francis and grandfather to Margaret, Peter, Andrew and Kathleen. - A just Judge to God's merciful judgement. R.I.P. Funeral on Friday 16th June at 12 noon at English Martyrs Catholic Church, St Georges Road, Wallasey, Merseyside. *Family flowers only.* Donations please to British Lung Foundation North West Branch, Charity No 326730 c/o the Undertaker Keenan and Turner, 31 Rowson Street, Wallasey, Merseyside L45 5AR, tel: (0151) 638-4444.

SECRETT - On June 7th, suddenly at Addenbrookes Hospital Cambridge, Rev Ian Russel Secrett M.A., dearly loved husband of Beryl and *father of Anne, David and* Brian. Funeral at Burwell Church Cambridge, Friday June 16th at 2.30pm and at Cambridge City Crematorium at 4.00 pm. *Family flowers only but* donations may be made to Christian Aid C/O Southgate of Newmarket, 28 Duchess Drive, Newmarket, Suffolk CB8 8AG.

IN MEMORIAM – PRIVATE

BAILEY - A Thanksgiving Service for the life of Harold and Rosemary Bailey will take place at St Peter's, Hurstbourne Tarrant on Saturday June 17th at 2.00pm.

BRUCE - The Hon. Bernard Bruce M.C. Remembered with fond love, Mary.

DUNN - Remembering always Douglas, who died on 12th June 1992. "I will lift up mine eyes unto the hills".

MARRIAGES

LEVICK J.W.B and Miss S.A.L.M Blanchard. The marriage took place on Saturday June 3rd at St. Michael's Bracewell of Mr Jonathan William Braidman Levick. Only son of Mr and Mrs Roger Levick of Bracewell and Holbrook, Suffolk to Miss Stephanie, Anne, Lesley Marguerite Blanchard. Only daughter of Mr and Mrs Paul Blanchard of London and the USA. Rev Father Lancaster and Father M. Forrest officiated. The Bride was given in marriage by her father and was *attended by her niece Miss* Jessie Blanchard. Mr Charles Seymour was best man. The reception was held at Priory Cottage and the honeymoon will be spent in Malaysia.

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ANNOUNCEMENTS

ON behalf of Tektronix I hope you've all enjoyed todays conference and would the following people please go on stage to be congratulated on becoming members of the Tektronix 1995 European Excellence Club: George Smith, Tony O'Connell, Charlie McCaw, Richard Hartley, Brian Paisley, Terry McNaney, John Phipps, Bob McNinch, Mark Lloyd, Nick Lamb, Neil Duggan, Andy Jackson, Delwyn Jones, Nicola Stevens, Paul Manning, Soren Kramp, Steve Barryman, Ian Corke, Gillian Stockwell, Brian Gillespie, Geoff Wild, Alan Williams. By the way, thanks for choosing the wine of clubs, regards Howard.

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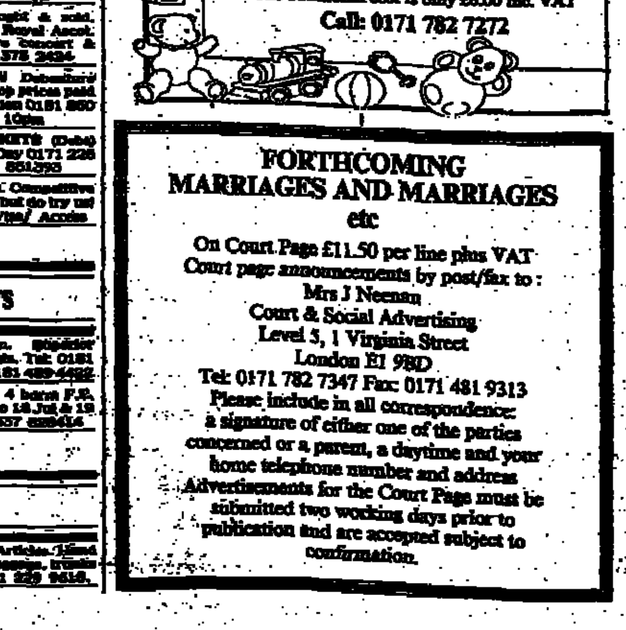
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OBITUARIES

CHARLES YOUNGER

Charles Younger DSO, TD, director of the Edinburgh brewers William Younger, 1945-73, and former chairman of the Brewers' Society, died on June 6 aged 86. He was born on December 11, 1908.

IT WAS the lot of Charles Younger to be chairman of the Brewers' Society at a particularly tense time for the industry in the 1960s. His two-year leadership coincided with the first of a series of postwar investigations by the Monopolies and Mergers Commission, an intervention which threatened to call closing time on several trading practices.

The MMC was examining in particular the ownership of public houses by brewing firms who could then control the range of beers sold. The companies were faced by the proposition that production should be separated from retailing.

Younger, who also chaired the society's parliamentary and survey committees at various times, was successful in marshalling its disparate forces and, on this occasion at least, in fending off the foe. One of very few northern brewers to head the industry, he embodied a blend of tough-mindedness and good humour which served him and the trade he led to great effect.

He was born Charles Frank Johnston Younger at what was then the family home in Argyllshire. His father, a major in the King's Dragoon Guards, had been invalided out of the Army with Blackwater fever contracted while he was fighting in South Africa in the Boer War and henceforth lived the life of a country gentleman.

A not dissimilar fate awaited his son. Commissioned into the Royal Navy after Dartmouth, he served for 11 years from 1926 until 1937 — when the Navy decided that his eyesight was not sharp enough. Forced to retire prematurely, he joined William Younger, founded by his family in 1749 and one of Britain's oldest brewers. Then two years later he was swept up by the Second World War.

Rejected once more by the Navy for the same reason he had been invalided out before, he enlisted in the Royal Artillery whose eyesight requirements were fortunately less stringent, and subsequently served with the Gunners until VJ-Day.

Posted to 129 Lowland Field Regiment RA, he was to spend most of his time in the Far East. Taking over as commanding officer in 1942 he led the regiment in support of the 17th Indian Light Division throughout 14th Army's campaign under General Sir William Slim. He took it on the Allies' painful advance from the mountains on to the plains, across the Irawaddy into central Burma then on the 300-mile push towards Rangoon.

Younger, several times mentioned in dispatches, was awarded the DSO in recognition of his leadership of the regiment throughout some of the most savage fighting of the war. An acting brigadier when the war ended, he took over the peacetime command of 278 Lowland Field Regiment in the Territorial Army on being demobilised and continued to lead it until 1952.

After the war he had rejoined Younger's and in 1945 was elected to the board. The company had merged financially with the other big Scottish brewery McEwan's as long ago as 1932, while each had retained its trading identity and continued to compete in the drinks market.

He became an executive director concentrating on sales and marketing until 1957 when, at a time of consolidation within the industry, it was deemed prudent for the two giants to consummate their marriage and become one firm, Scottish Brewers. Three years later the new company merged with Newcastle Breweries to form Scottish and Newcastle (now involved in a projected merger with Courage).

Charles Younger played a big part in marking Younger's 200th anniversary in 1949 by masterminding the production of a bicentenary beer and a book to commemorate the event. But McEwan's gradually became the dominant partner in the 1950s and after 1957, while remaining an executive director, Charles Younger began to concentrate his energies elsewhere. Over the next 15 years or so he became primarily involved in the Brewers' Society, representing the interests of both his own group in the national market and those of the industry as a whole in an increasingly hostile world. He retired from the board of Scottish and Newcastle Breweries in 1973 and the last member of the Younger family left the board nine years later.

Younger also accepted a number of other directorships, including those of the Bank of Scotland and the Norwich Union, becoming vice-chairman of the latter before retiring in 1979.

He was at various times chairman of the Scottish Advisory Board and was a UK delegate to the Efta Brewing Independent Council, a member of the CBI council, a member of the Worshipful Company of Brewers and also of the Royal Company of Archers (Queen's Body Guard for Scotland). He was also made a Freeman of the City of London.

Younger was a big man in all senses of the phrase, 6ft 4in tall with a strong, swashbuckling, if easy-going, personality. He enjoyed life. Off-duty, he summarised his pastimes as "country pursuits" which included stalking, shooting and, above all, fishing. He was happiest hooking salmon from the Tweed, on whose banks he owned a Roxburghshire estate.

Charles Younger, who died suddenly at home, is survived by his wife Joanna with whom he had been planning to celebrate their Diamond Wedding in August. They moved south from Scotland ten years ago to live on the Yorkshire estate of their daughter and son-in-law, the Earl and Countess of Halifax. His daughter also survives him.

SQUADRON LEADER F. W. LISTER

Squadron Leader F. W. Lister, DSO, DFC and Bar, died at his home in Northorpe, Bourne, Lincolnshire, on May 30 aged 75. He was born on March 29, 1920.

FREDDIE LISTER arrived to take command of 127 Spitfire Fighter Bomber Squadron at Grimbergen, northwest of Brussels, in October 1944. The German anti-aircraft fire during the short but hazardous sorties that were flown in support of ground troops during the battle to liberate the Low Countries was both intense and accurate.

In his first sortie with the squadron, Lister was hit by flak; he was wounded in the arm, shrapnel cutting through his radio cable about an inch from his throat. Nevertheless he managed to crash-land and was taken to hospital. Two months later (the squadron had just lost another CO) the door of the dispersal hut (where the pilots were gathered) opened and Lister walked in uttering the same words later famously used by Cassandra in the *Daily Mirror*: "As I was saying before I was so rudely interrupted..." He remained as CO of the Squadron until 127 was disbanded on April 30, 1945.

Frederick Wooldridge Lister was born in St Leonards-on-Sea and educated at West Buckland School in Devon. His father owned the ice-rink in Southampton where both Freddie and his older brother, Derek, became part of the Ice Show, Freddie's speciality being speed-skating and barrel-jumping. He was 17 when he represented Great Britain in the speed-skating championships in Davos, Switzerland. He was said to have held the barrel-jumping world record, but air raids completely demolished the Southampton rink and all records were lost.

He joined the Royal Air Force in 1940 and after training went to 43 Squadron, flying Hurricanes from the South Coast in 11 Group. In August 1942 the squadron was assigned to strafe enemy coastal batteries during the ill-fated Dieppe Raid. Eight aircraft were hit including Lister's, which sustained such severe airframe damage that it was a miracle it could still fly. Nevertheless, with typical skill and determination, he made a hazardous but successful landing back at base, unharmed. Since it was the practice to remove re-usable parts from crashed aircraft, the engine was quickly dismantled. A zealous reporter arrived from the local paper to report the incident and produced the immortal headline: "Pilot flies plane home without engine." In spite of the crash-landing Lister flew three more sorties that day and was awarded an immediate Distinguished Flying Cross, to which a Bar was added shortly afterwards.

He continued his first tour of operations, becoming CO of 152 Squadron. He took part in the Allied landings in North Africa, leading the squadron in ground attacks in support of the British First Army from hastily constructed runways in atrocious conditions.

He took command of 127 Squadron in October 1944 at a time when, as a result of heavy losses, morale was low. In spite of being shot down and wounded on his first sortie Lister returned two months later to replace Squadron Leader Smik, a Czech fighter pilot who had been shot down and killed. He was a man who always led from the front with great tactical skill and courage and never forgot that, in low-level attacks, there were 11 other pilots coming in behind him. For displaying courage and leadership qualities of the highest order throughout his two tours of operations, Lister was in 1945 awarded the Distinguished Service Order.

The citation said: "Squadron Leader Lister at all times has displayed gallantry and devotion to duty of a very high order. Over a very long period he has shown a spirit of great keenness and aggressiveness and has led his squadron with great distinction and success."

After demobilisation he had a brief flirtation with civilian life but soon rejoined the RAF to become CO of No 1 Squadron, flying Hunter jets with the acting rank of Wing Commander. There followed postings in the United Kingdom, Germany, United States (where he trained in order to take over the missile site at Luffenham in Norfolk) and at Changi, Singapore. He was discharged in the mid-1960s through ill-health.

Bad health continued to dog him in his later years. He bore this with his customary humour and fortitude, helped by the care and support of his wife Marjorie (née Donnelly) whom he had married in 1957. There were no children but she survives him along with two nieces to whom he was devoted.

LARRY HILLBLOM

Larry Hillblom, co-founder of DHL, died in an aircraft accident in the South Pacific on May 21 aged 52. He was born in Kingsburg, California, on May 12, 1943.

LARRY HILLBLOM pioneered the idea of an express delivery service for parcels. His brainchild, DHL, was founded in the late 1960s, several years before the arrival of such competitors as Federal Express, and it became the pattern for the new door-to-door fast delivery service. Hillblom's aim was to guarantee the delivery of a package in one or two days almost anywhere in the world, using the fastest means of transport possible. This in practice could mean anything from Concorde to the humble bicycle.

Larry Hillblom was the son of a farmer and after local high school in California, he attended Fresno State University and Berkeley, where he read law. Legal studies were always, for him, a means to make his name in business, and he launched DHL with two colleagues, Adrian Dalsey and Robert Lynn — the "D" and "L" respectively of the company name — in San Francisco, in 1969.

Their first idea was to carry ships' lading bills by hand on scheduled air services, arriving with the bills in port well ahead of the ships and thus dramatically cutting the amount of time which the ships were forced to remain in port while their paperwork was being processed. Hillblom then established a service for banks whereby cheques written in Asia were hand-delivered to their recipients in America. Instead of a cheque spending ten days in the mail, it could be cashed in two days, thus saving businesses a huge amount of money in lost interest.

The range of services on offer mushroomed, and postal authorities in Hong Kong, America and Britain reacted promptly to the threat. Throughout the 1970s, Hillblom was involved in long legal battles, fighting for the loosening of postal monopolies. His first victory was in Hong Kong in 1977, where he had the overwhelming support of the local business community. In America, he took his fight with the sluggish American postal service to Congress, and the regulations governing postal monopolies were duly changed. In Britain, the Post Office's monopoly on parcel delivery was ended by 1981, when new rules were introduced whereby private firms could offer a high-speed service for a minimum of £1.

Hillblom was passionate about postal reform, so much so that he left the day-to-day running of his business largely to colleagues — his two co-founders having both retired by 1975. He had settled on Saipan, one of the Mariana Islands in the South Pacific, by the late 1970s and from there conducted his diverse business interests. He was one of the first to invest in cellular telephones, owned several cable television companies, and was a shareholder in Continental Micronesia and Continental Airlines. Despite the huge profits he made through DHL, Hillblom refused to conform to the grey-suited image of the businessman. He always wore a T-shirt and jeans, even to the most high-profile meeting.

He never married, and is survived by his mother and two brothers.

ALAN WALKER

Alan Walker, diplomat and journalist, died on June 3 aged 100. He was born on December 6, 1894.

ALAN WALKER was a first-hand witness of many landmarks of European history in the first half of the 20th century, even before he began his long career as a diplomat. He visited Germany three years before the First World War, served on the Western Front in 1917-18, attended a German reparations conference at Spa in Belgium as Lord Curzon's cipher clerk, and returned to Germany after 1945 with the Allied Control Commission. As if that were not enough, he was head of Chancery at the British Embassy in Moscow during a critical period in the early 1930s and travelled through Spain towards the end of the Civil War. During his diplomatic career he became fluent in five foreign languages, an interest which was to continue for the rest of his life.

Born in Cambridge, Edward Alan Walker attended The Perse School, from which he won a modern languages exhibition to King's College, Cambridge. But in 1914, having volunteered for the front and been turned down because he was short-sighted, he was drafted into the Royal Army Service Corps. By 1917, however, his country needed him in the trenches and he joined the 61st Territorial Division (known as the 60-worst) of the Royal Warwickshire Regiment. He saw little fighting but contracted trench fever (because of lice) and was sent home shortly before the Ludendorff offensive.

After the war he came second in the Foreign Service examinations and, after attending the Spa conference with Curzon, was posted to Belgrade, where he became the embassy's expert in Serbo-Croat. During the 1920s he also served in Chile, Mexico and then the Baltic States.

In Riga, Walker was the first, and only, secretary to the British minister for Latvia, Lithuania and Estonia, Sir Hughe Knatchbull-Hugessen. The latter complained to his Foreign Office masters in the form of a parody of the Athanasian Creed, when Walker — the only English member of his staff — was removed to Moscow in 1930.

It was here that Walker enjoyed the most fulfilling three years of his diplomatic career. Despite ideological differences, he got on well with officials of the host country, particularly those in the Commissariat of Foreign Affairs. They used to tell him that, whenever Stalin's name was mentioned in conversation, a nervous silence would follow.

Walker was obliged to entertain travellers such as Beatrice and Sidney Webb at the embassy, listening while they talked of the Soviet Union as this "new civilisation". He also struck up a friendship with Malcolm Muggeridge in Moscow, then with the *Manchester Guardian*, and helped to turn him against communism. "I think I was able to decontaminate him," Walker recalled.

There followed postings as first secretary to Athens, Stockholm and Ankara (where Sir Hughe Knatchbull-Hugessen was Britain's wartime Ambassador). He returned to the Foreign Office in London in 1941, remaining there for the rest of the war. Acting as interpreter for the Control Commission inspecting war damage in Germany after 1945, Walker was profoundly affected by the bombing of Dresden. The head of the Russian delegation, he recalled, said: "You did such a good job of flattening Dresden that I cannot find anywhere to billet my staff."

After 1950 Walker lived in Madrid, where he worked for some 25 years as a correspondent for *The Daily Telegraph*. He stayed on in Spain until 1992. For the last three years he lived comfortably in a converted cowshed on top of the downs on the Berkshire-Wiltshire border, delighting in the company of his many grandchildren and great-grandchildren. Until three months ago he was still able to read — a biography, in French, of President Salazar of Portugal and *The Dialogue of St Catherine of Siena* might be found on his table — and he enjoyed a vodka before lunch.

Alan Walker married, in 1934, Lady Mary Crichton Stuart who predeceased him. He leaves two daughters.

EMILIO GARCIA GOMEZ

Emilio García Gómez, Spanish Arabist, died in Madrid on May 31 aged 89. He was born in Madrid on June 4, 1905.

THE most outstanding Arabist in the history of Spanish letters — and one of the best of all 20th-century Western practitioners of this complex craft — died just four days before what would have been his ninetieth birthday. In a leading article, "Farewell to a Sage", published on the day after his death, the Madrid daily *El País* marked the death of Emilio García Gómez by describing him as "the last great jewel of what has come to be known as the Age of Silver of Spanish culture".

That age, which bowed in its distinction only to the Spanish Golden Age — or *siglo de oro* — was the period in the 1920s and early 1930s when the country experienced a striking intellectual and literary efflorescence.

García Gómez belonged to the generation which produced, among others, Federico García Lorca, Ortega y Gasset, Menéndez Pidal, Rafael Alberti and Vicente Aleixandre. Yet García Gómez — Arabist, scholar, essayist, professor, translator and diplomat — was in some ways the most multifaceted of them all.

After finishing his studies at the universities of Madrid and Cairo, the precocious García Gómez was appointed, at the age of 25, to the Chair of Arabic at the University of Granada. In 1932 he founded that university's School of Arabic Studies, remaining its director until his election to the professorship of Arabic in Madrid three years later.

García Gómez was to hold that post for the next 40 years, retiring only in 1975. In his time as Spain's premier researcher and teacher of Arabic literature, and in the fruitful years after his retirement, he published a stream of classic texts on the history, poetry and personalities of Al-Andalus. In doing so he renewed the understanding among Spanish scholars of Spain's Arab and Islamic heritage. The worth of his contribution must be measured also against the backdrop of Spain after the Civil War — the Franco regime accounted a Christian triumphalism as one of its virtues, and the country's Arab past could so easily have been neglected by the universities.

García Gómez's translations of the *jarchas* — amorous Arabic lyric poems, from the 10th century, whose last stanzas were always in Castilian — were highly influential. Beginning with his *Poemas Arábigo-Andaluces*, first published in 1930, he assembled numerous anthologies of *jarchas*, often saving verses from oblivion. In addition, he is best known for his translations of the verses of the 12th-century poet Ben Quzman.

García Gómez was also Spain's Ambassador, at various times between 1958 and 1969, to Iraq, Lebanon and Turkey. He was a member of the Spanish Royal Academy, and director, from 1988 to his death, of the Spanish Historical Academy.

He is survived by his wife, María Luisa Fuertes.

Church appointments

Appointments

The Ven Geoffrey Allen, Archdeacon of NW Europe and Chaplain, Arnhem, Nijmegen, Twente (Weldam, Goor), The Netherlands: to be also Priest-in-charge, Haarlem, Netherlands (Europe).

The Rev Timothy Anderson, Assistant Curate, Whitfield (Derby): to be Priest-in-charge, Wolverhampton St Luke (Lichfield).

The Rev Tony Atwood, Coalfield Chaplain, Industrial Mission in South Yorkshire, and Rural Dean of Adwick-le-Street (Sheffield): to be Senior Chaplain, Teesside Industrial Mission (Durham).

The Rev John Batty, Chaplain, Christ Church, Dusseldorf, Germany (Europe): to be Vicar, Marshland (Sheffield).

The Rev Gary Birchall, Curate, St Barnabas, New Humberstone (Leicester): to be Priest-in-charge, St James, Burnopfield (Durham).

The Rev Gillian Bloomfield, Team Vicar, Chelmsley Wood St Andrew (Birmingham): to be Priest-in-charge, Pattingham w Pattshull (Lichfield).

The Rev Jim Butterworth, Vicar, Wrenthorpe: to be Vicar, Stanncross (Wakefield).

The Rev Alastair Forman, Vicar, St Hugh's, Lewsey, Luton (St Albans): to be Priest-in-charge, Jersey, St Lawrence: St Matthew (Winchester).

The Rev Dr Brian Godfrey, Rector, Sundridge w Ide Hill: to be also Rural Dean of Sevenoaks (Rochester).

The Rev Andrew Gorham, Team Vicar, Warwick Team Ministry (Coventry): to be Anglican Chaplain to the University of Birmingham.

The Rev Christopher Groocock, Assistant Curate, Shawbury, Moreton Corbet and Stanton Upon Hine Heath: to be Vicar, Hengoed w Gobowen (Lichfield).

The Rev Michael Harley, Vicar, Hurstbourne Tarrant and Faccombe and Vernham Dean and Linkenholt and Rural Dean of Andover: to be also Diocesan Rural Officer (Winchester).

The Rev Raymond Hodson, Rector, Ampthill w Millbrook and Steppingley (St Albans): to be Chaplain of St George's, Madrid (Europe).

The Rev James Langstaff, Vicar, St Matthew, Nechells: to be also Dean of City Deanery (Birmingham).

The Rev Professor Fergus Macartney, formerly NSM, Shirwell, Loxhore, Kentisbury, Arlington, East Down, Bratton Fleming, Challacombe and Stoke Rivers (Exeter): to be Assistant Chaplain, Christ Church, Amsterdam (Europe).

The Rev Mandy Marriott (nee Reid), Parish Deacon, Rothwell: to be Curate, Manston (Ripon).

The Rev Martin Randall, Priest-in-charge, Christ Church, Toxteth Park, and St Bede, Toxteth: to be Vicar, Christ Church, Toxteth Park and St Bede, Toxteth (Liverpool).

The Rev Michael Ridley, Vicar, All Saints, Thelwall: to be Vicar, St Mary, Weaverham (Chester).

The Rev Raymonde Robinson, Rector, Letchworth (St Albans): to be Vicar, St Mark, Noel Park (London).

The Rev Philip Roderick, Director, Chiltern Christian Training Course: to be Director of the Quiet Garden Trust, Stoke Poges (Oxford).

The Rev Amanda Rylands, Assistant Curate, Acton, Church Minshull, Wettenhall and Worleston: to be part-time Diocesan adviser for ministry among children (Chester).

The Rev Brigitte Snell, Curate, Cambridge, St James, and Assistant Director of the Focus Christian Institute (Ely): to be Vicar, Sutton w Mepal and Witcham, same diocese.

The Rev Clive Todd, Curate, Bensham Team Ministry, Gateshead: to be Priest-in-charge, united benefice of South Heton w Haswell (Durham).

The Rev Rex Merry, Team Vicar, Hemel Hempstead: to be Vicar, Parley Hill, St John (St Albans).

The Rev Rachel Nancarrow, Hon Assistant Curate, Girton: to be Priest-in-charge (NSM), Foxton (Ely).

The Rev Gerald Newell, diocese Exeter: to be Priest-in-charge, Bramore (Winchester).

The Rev Lawrence Price, retired: to be Priest-in-charge, Kingsley (Lichfield).

The Rev Martin Reakes-Williams, Curate, St Peter's Harold Wood (Chelmsford): to be Chaplain in Leipzig, Germany (Europe).

The Rev Peter Sheridan, Hon Curate, Braunstone Team Ministry: to be Hon Curate, Rathy cum Groby (Leicester).

EVEREST TEAM'S UNITY COL HUNT'S TRIBUTE

From Colonel John Hunt
Leader of the British Everest Expedition
BASE CAMP, KHUMBU GLACIER
June 11

We are all safely gathered at the Base Camp after the strenuous and stirring events of the past 10 days, the main facts of which have already been reported to your readers by your Special Correspondent with the expedition. It remains for me only to take stock of our good fortune in reaching the summit of this great mountain and thus completing the adventure so boldly pursued by others for so long.

What are the reasons for our success? There is, of course, a long background of experience furnished by our predecessors and a more recent period of careful preparation and planning. There is the excellence of our equipment and in particular the outstanding success of our oxygen apparatus. But I propose in this dispatch to mention only those factors which seem to me to have combined in our favour while in the field.

Let me first emphasize that we have been lucky in the one matter which — although we embraced it in our constant mood of optimism — dominated the whole issue. After handicapping our preliminary moves to no small extent the weather settled down to be steadily fine from the moment when — soon after mid May — we were ready to make our bid for the summit. This does not mean that conditions were favourable for assault on any day during the past fortnight, for we had to reckon with wind velocities which varied greatly and which seemed to be impossible to foresee.

This uncertainty, while it put to the test our ability to hold the assault parties high on the mountain without detriment — each summit pair and its support party were in turn delayed for 24 hours on the South Col — did not influence the general timing of the assault. We were able to start when we were ready. So steady has the barometer remained since May 15 that we should still have had time to make a third attempt had this been necessary.

Second in significance as it affected the outcome of our venture I would point to our unity as a party. It would indeed be difficult to find a more well-knit team than this. Since May 6, when after the reconnaissance of the Lhotse face a plan of assault was drawn up and tasks allotted, this teamwork has been magnificently demonstrated.

It could not fall to the lot of every one to attempt the summit, but each and all had a vital part to play — the preliminary route preparation up the great face of Lhotse, the escorting of Sherpas to the South Col, the establishment of a camp high on the south-east ridge, or no less essential maintenance of our communications with base. I attribute our success to this smooth and cheerful cooperation more than to any other single factor. Thanks to a successful combination of preliminary acclimatization and training, together with a sound diet, we arrived nearly 100 per cent fit and maintained this state to the moment of assault.

ON THIS DAY

June 12, 1953

The assault on Everest culminating in Hillary and Tensing reaching the summit on May 29 was a large-scale operation — in contrast to the recent ascent by a woman climbing solo without the aid of oxygen.

Pearce Wright introduces a two-page report on the Royal College of Radiologists and the centenary of the invention of the X-ray

The all-seeing revolution

Countless millions owe their health, or lives, to the discovery of X-rays, made 100 years ago by Wilhelm Röntgen. It ranks among the scientific advances that have done most to change the face of medicine and public health.

The event is marked this week by an international gathering of experts, at the Röntgen Centenary Congress in Birmingham, who will share the results of the latest research and developments that are moulding the shape of medical practice beyond the year 2001.

Röntgen stumbled across X-rays during research at the University of Wurzburg in Bavaria and his first X-ray picture was an image of his wife Bertha's hand. His genius lay in the instant recognition of the possible use for these mysterious rays that looked inside the body. Within months of his discovery, X-rays were in use across Europe and America. Diagnostic radiology was born with doctors able to examine bone and joints.

The discovery earned Röntgen the first Nobel Prize awarded for physics, in 1901. Earlier this year, the magazine *Nature* commented that in making his only important discovery at the age of 50, Röntgen should "give heart to middle-age physicists who have not yet found anything". A second Nobel prize in physics was awarded for X-rays, in 1979, to Sir Godfrey Hounsfield, for inventing Computerised X-ray Tomography — or CT scanning.

Today, more than 23 million images a year are recorded in England alone in examinations by NHS radiologists. In addition to conventional X-ray pictures and CT X-ray scans, the images include those created by ultrasound equipment, magnetic resonance imaging (MRI) machines and radionuclide detectors.

The photographic, pharmaceutical and electronics industries have played vital roles in the development of more sensitive films, image intensifiers, contrast media, fluorescent screens, radiation dose meters, the Bucky grid, digital subtraction angiography and now, information technology.

The key questions behind today's major research projects have changed little. How can image quality be improved? How can exposure times and the X-ray dose be reduced? What other new applications or improvements are possible in therapy and diagnosis? The struggle to answer some of those questions is told in *A Century of X-rays and Radioactivity in Medicine*, by Dr Richard Mould, a medical physicist and cancer statistician, published by the Institute of Physics Publishing.

Professor Ian Isherwood, president of the congress in Birmingham, says that while celebrating the work of the pioneers, the event is looking to the future and the developments that are already shaping the next 100 years.

Professor Isherwood, appointed the first Professor of Radiology at Manchester University in 1975, has pioneered the use of CT and MRI scanner technologies in the NHS. There are four principal influences on the future of radiology, in his view, including organisational changes in the provision of radiological services, and technological advances.

He sees major consequences for screening and radiotherapy emerging from a new understanding of the genetics of disease. But the greatest impact is coming from teleradiology, with its use of digital networks, which means doctors in different hospitals, or a continent apart, can consult on the immediate diagnosis and treatment of a disease. Professor Isherwood foresees the time, and not too far away, when surgeons will have the equivalent of the head-up display helmets of the fighter pilots, so they can see their patient and radiological images simultaneously.

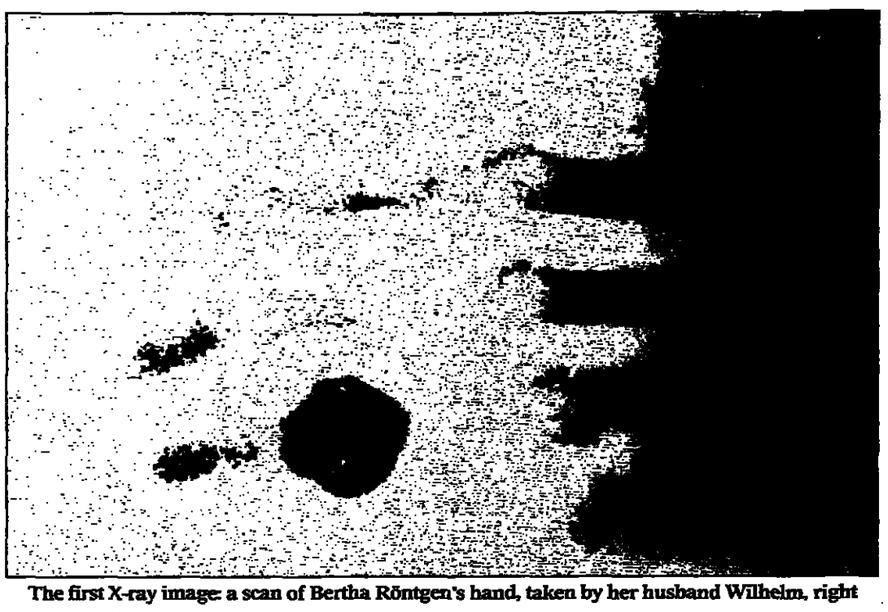
In principle, with the arrival of digital imaging, a hard copy picture like an X-ray film is no longer essential. New machines can already feed their signals directly into computers. Images are stored electronically and instantly accessible, being reproduced at the push of a button, eliminating the need for photographic dark rooms, film archives and the waiting time it takes to get hold of an X-ray film.

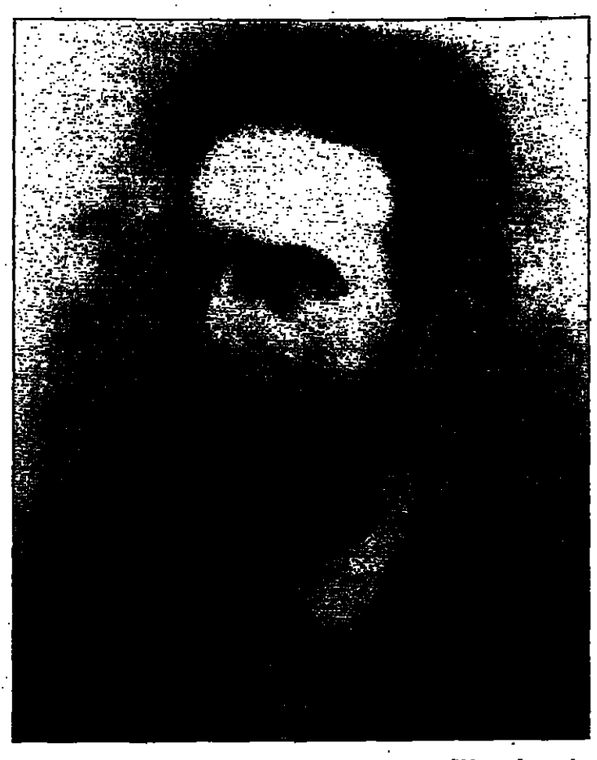
He expects a greater use of interventional radiology, which has already shown incalculable value in transforming some surgery from major to minor procedures. Radiologists perform regular treatments like cardiac angioplasty, the unblocking or correcting the shape of an artery by inflating a tiny balloon, using a radiograph or sonogram to guide the device through the blood vessel.

The range of surgical techniques available to the radiologist is steadily growing. They usually mean inserting a catheter (tube) through the skin. With the resulting X-ray or ultrasound picture, radiologists have removed kidney stones, drained cysts and abscesses, and taken biopsy specimens from internal organs.

The trend towards interventional procedures has many implications, including the organisation and training of the radiology team of radiologists, radiographers and nurses. People undergoing an interventional treatment as day patients need special care. Celia Manson, of the Royal College of Nursing, likens each treatment to a short period of intensive care nursing.

In the radiotherapy field, the RCN has a highly organised cancer-nursing society of 3,000 members. Their intensive training covers the care essential for patients who may receive combinations of radiotherapy, chemotherapy and surgery.





The first X-ray image: a scan of Bertha Röntgen's hand, taken by her husband Wilhelm, right

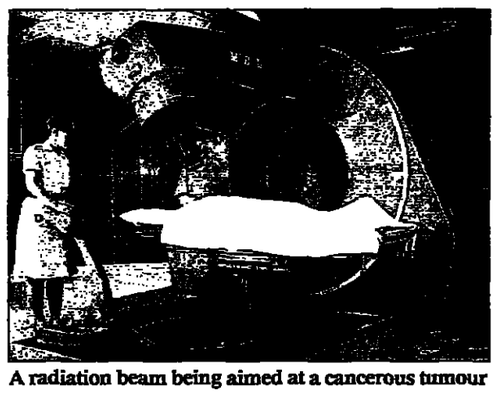
Fight against cancerous cells

Specialists in cancer treatment, the clinical oncologists, have devised increasingly intricate combinations of radiotherapy, chemotherapy, hormone therapy and radioactive isotopes among their remedies.

The fact that diagnostic radiology and oncology are faculties of the Royal College of Radiologists reflects a common ancestry. Of course, like other branches of medicine, the oncologist is heavily dependent in the first place on radiology for making an accurate diagnosis.

At the college's last count, there were 2,632 of its alumni active in radiology and 613 in oncology. However, the century of constant progress in diagnostic radiology has not coincided with a smooth evolution in the use of radiation for treatment purposes. There has been a much tougher struggle to develop the formidable array of sophisticated treatments now available to the oncologist.

Since Wilhelm Röntgen's time, the photographic film and fluorescent screen have been the mainstay for displaying X-ray images. Now, with a combination of electronics, computers and television technology, the laser printer is replacing film. And the vibrant view of whatever is causing trouble inside a patient can be projected on a video screen.



A radiation beam being aimed at a cancerous tumour

The therapeutic use of X-rays also has a long history, although their usefulness was limited in the 40 years after their discovery. Yet the idea that they might be therapeutically useful caught on quickly a century ago.

In the early surge of activity, experimenters repeatedly X-rayed their own hands to calibrate their equipment. Consequently, some operators began developing erythema, a red rash on the skin. These were the first cases of radiation burns. There were immediate attempts to exploit this biological effect for therapeutic purposes.

Aside from some success in treating skin cancer, progress was limited. Until a systematic method of defining a dose of radiation and measuring it was devised, the treatment came from guesswork based on observation.

Another drawback was a purely technical one. In principle, the purpose of radiotherapy is simple enough: it is to destroy cancer cells without harming the healthy surrounding cells in the unaffected part of the body.

Unfortunately, the X-ray beams that took pictures of bones, and other parts of the anatomy, lacked the energy to deliver a knockout blow to anything other than cancers on the skin.

Effective treatment of deep-seated tumours really began in the 1950s. Two different but very powerful types of equipment were invented to deliver beams of radiation of far greater intensity. One invention shifted the technology from the design of orthovoltage to today's supervoltage X-ray machines. The other was the development of teletherapy equipment for delivering a gamma-ray beam from a powerful artificial radioactive source, like cobalt-60, made in nuclear reactors.

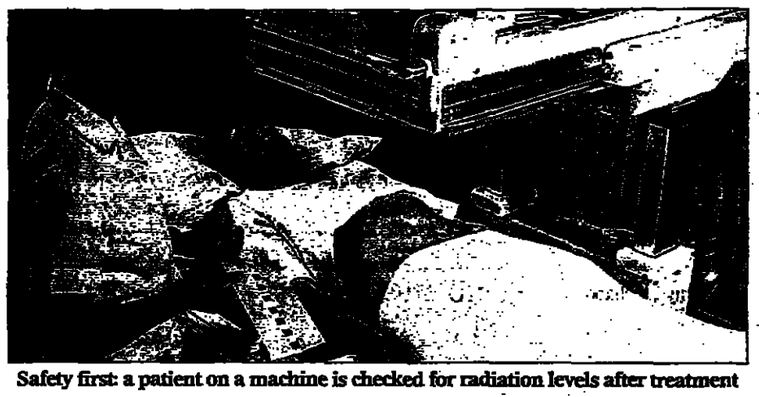
Throw away the archives and look at the screen

Every X-ray department has an archive bulging with films shot of patients in the past four to five years. But the days of overloaded shelves, and the chaos of misfiled X-rays, are numbered.

The digital age is already taking over. The future lies in electronic storage of medical images. Distribution is at the push of a button on video screens in consulting rooms, outpatient clinics, operating theatres, hospital wards and casualty departments.

The die was cast the instant that images from any source — be they X-rays, ultrasonics, MRI (magnetic resonance imaging), PET (positron emission tomography), SPECT (single photon emission computer tomography), gamma cameras, or any of the other technologies under development — that could readily be digitised.

Inevitably, the discussions on this turn on the thorny issue of the cost of transition from old to new technology. Although the National Health Service spends more than £600 million a year on radiology services, an Audit Commission report earlier this year concluded that many X-ray departments needed modernising to take advantage of the new technologies. The technology for the filmless hospital is already tried and tested.



Safety first: a patient on a machine is checked for radiation levels after treatment

Importantly, there is equipment for converting X-ray films into an electronic format but whatever the timescale of the transformation, X-ray films will be with us for many years, according to Dr Peter Dawson, president of the British Institute of Radiology. As a consultant radiologist at Hammersmith Hospital, in London, he is in an ideal place to judge.

The hospital is rapidly becoming a filmless zone. It was chosen as a testbed for the NHS of an approach called picture archiving and communications systems (PACS). In principle, PACS links any form of digital technology to an integrated network. Information and images are then handled easily over a network for clinical and administrative purposes. Wards, clinics and surgeries have electronically stored images immediately available, and doctors can use the same terminals to request examinations.

THE COMPLETE SOLUTION

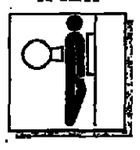
MAGNETIC RESONANCE

NUCLEAR MEDICINE

ULTRASOUND

COMPUTED TOMOGRAPHY

X-RAY



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CHRONOLOGY OF RADIOLOGY

The crest and motto, Ex radiis salutas, health from rays, of The Royal College of Radiologists

1895	X-rays discovered
1915	Radiation protection
1950	Nuclear medicine
1958	Ultrasound
1972	Computerised Tomography (CT)
1980	Magnetic Resonance Imaging (MRI)
1990	Digital networking

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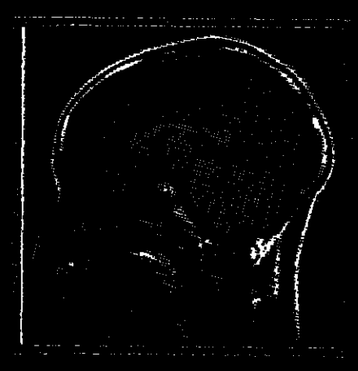

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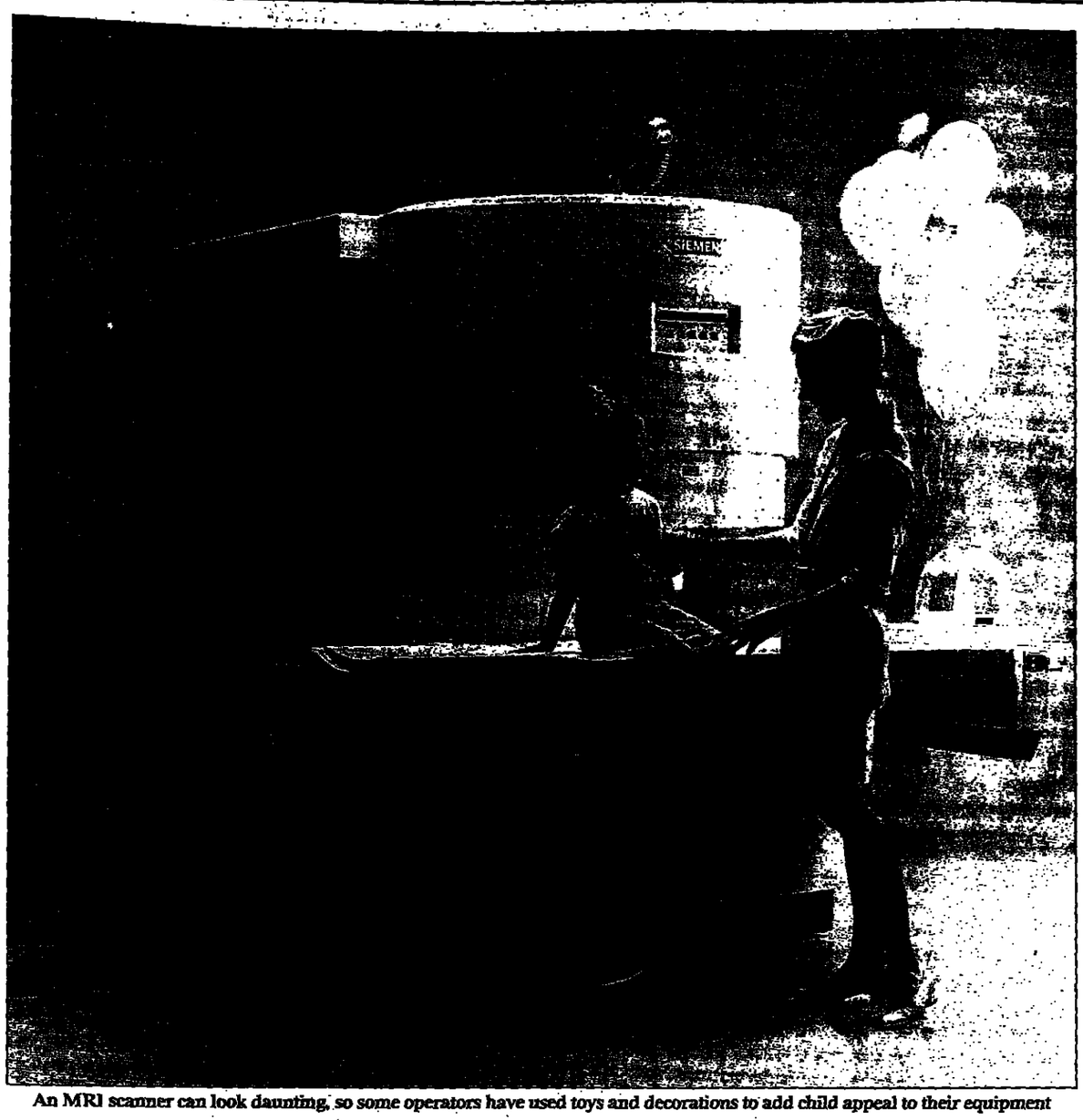


An MRI scanner can look daunting, so some operators have used toys and decorations to add child appeal to their equipment

Baby snapshots in the womb

Teenagers have a new embarrassment to look forward to. When the family photograph album was hauled out, it used to contain the traditional first picture of a wrinkly newborn. Pride of place, nowadays, is not the first snapshot of mother and baby, but a sonogram — a picture of the infant three or four months before he or she is born.

These are the remarkable pictures produced by ultrasonic imaging, the non-invasive method of monitoring the wellbeing of the developing foetus. Before long, no family album may be complete without one — but there is far more to this trend than keeping up with fashion. The psychological reinforcement of those pictures for an anxious mother-to-be cannot be overestimated.

Though the sonogram hardly resembles a portrait photograph, it can speak volumes to the radiologist and the sonographer. Routine scans, at 16 to 22 weeks into the pregnancy, will determine the stage of development to resolve a discrepancy between apparent size and due date, to confirm the presence of twins, to determine the position of the foetus or placenta and to diagnose causes of vaginal bleeding. They can guide the needle for an amniocentesis, the removal of amniotic fluid.

Ultrasound scans are a perfect example of how, every day of the week, life-saving diagnostic images are produced by technologies that a generation ago did not exist. Some of the apparatus, such as ultrasound, involves patient-friendly equipment. The sheer size of other high-technology machines can make them intimidating. Despite most people being accustomed to the conventional X-ray, they may be nervous about less familiar substitutes. Yet some of the newer techniques are safer than X-rays because they use other forms of radiation to create an image from ultrasound, radio waves and infrared. Ultrasound is used in pregnancy because it is considered safer than X-rays both for mother and the developing baby. Traditional X-rays are still the first and best choice to examine bones or images of solid organs, or as a preliminary check before choosing which of the more elaborate investigations may be needed.

The scan is a remarkable way of looking inside the human body

Medical ultrasound was first used successfully by Dr Ian Donald, in Glasgow, in 1955, to examine an unborn baby. It was developed from underwater sonar, the echo-sounding technique used in the Second World War to locate submarines. As the potential risk to mothers and foetuses from the ionising radiation of X-rays was revealed by researchers such as Dr Alice Stewart, of Oxford University, ultrasound became the preferred technique for monitoring the progress of babies in the womb.

High-frequency sound waves are beamed on to the body. They bounce around, producing echoes that are electronically converted to images. Because sound travels well through liquids, it is good at distinguishing solid tumours from fluid-filled cysts. The technique has advantages for looking at solid organs in the abdomen. Examinations of the chest, bowel, or head are more difficult because the ultrasound signal may be stopped by the intervening bone or air.

Doctors may order ultrasound scans when abdominal pain suggests kidney or gall stones, when blood tests hint at pancreatic problems, or when symptoms could indicate the presence of a hidden tumour. And ultrasound images of the heart, called echocardiograms, give physicians a lot of valuable information about how well the organ is pumping.

Advances in ultrasound imaging made possible the first successful heart operation to be performed on a baby while she was still in the womb. The delicate techniques were used on the girl by a team of paediatricians and cardiologists at Guy's Hospital in London. Their work depended greatly on the near-flawless pictures that are generated today when sophisticated computer systems translate ultrasound signals into sharp images.

In addition to screening and intervention in pregnancy, these developments give a glimpse of the way in which ultrasound is playing an increasing role in abdominal, cardiovascular, urological and cerebral diagnoses and treatments. Computer experts have designed "intelligent" systems to analyze ultrasound signals to recognise and correct distortions to avoid fuzzy pictures, before projecting an image on the television viewer.

Pioneer pictures that paved the way

Computer tomography (CT) launched the second revolution in medical X-ray technology. The development, hailed as the greatest invention since the original discovery by Wilhelm Röntgen, was a collaboration between a radiologist, James Ambrose, at the Atkinson Morley Hospital, in west London, and a physicist, Sir Godfrey Hounsfield, with EMI. The claim has exceeded expectations.

Evidence of this is apparent in the dominance of CT developments at this week's Röntgen Centenary Congress which is providing the biggest demonstration of high-technology medicine ever staged in the UK. A second generation of CT systems is entering medical practice. It produces three-dimensional images of the body.

Now three-dimensional images can pinpoint troubles

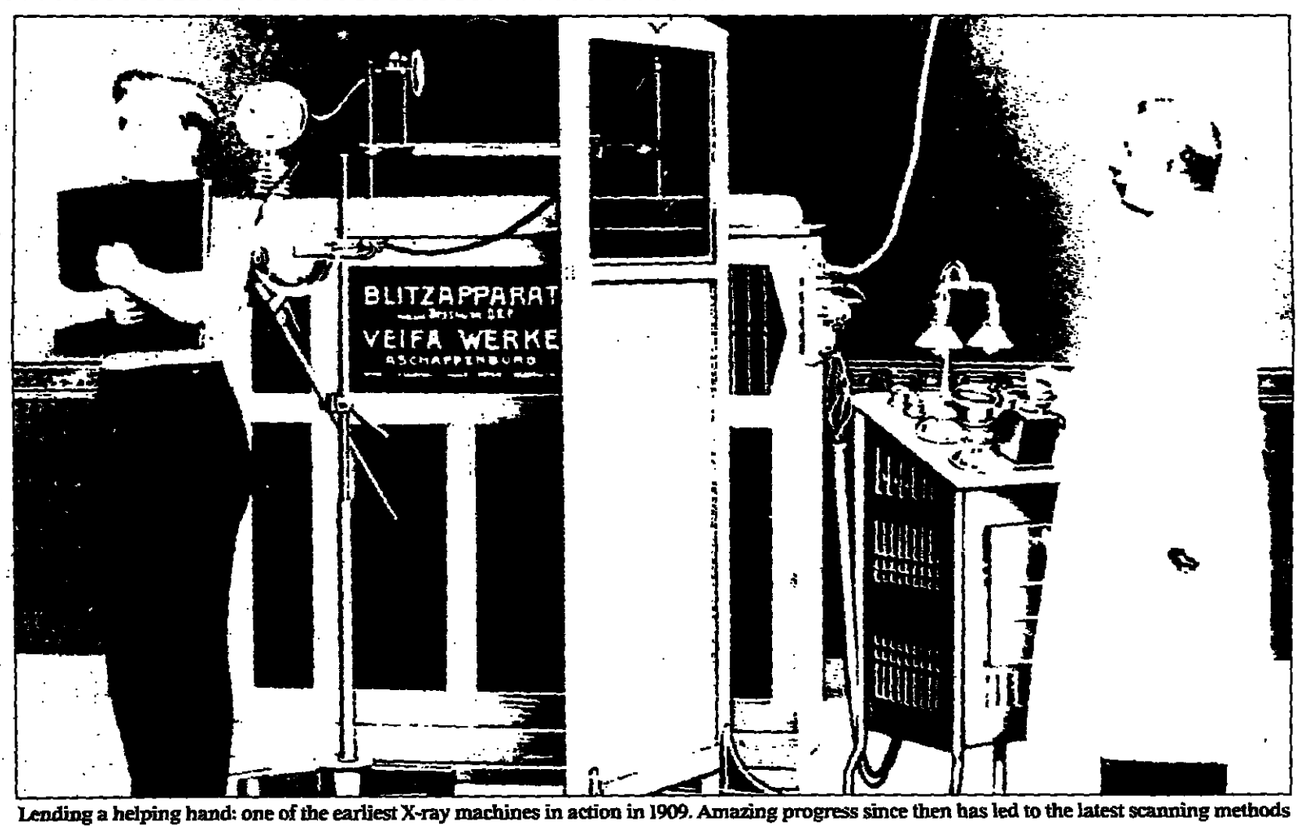
The new equipment is pushing the original breakthrough that cracked a 70-year-old problem. The latest 3-D images give doctors the equivalent of "X-ray vision", to examine a person's brain as if it was in their hands. The original problem solved by the CT scanner was how to obtain detailed pictures of soft tissues in the body, from organs like the kidney to very small tumours and blood clots in the brain.

Ingenious methods were developed to highlight blood vessels and organs on X-ray, by first injecting the patient with a contrast media before shooting a radiograph. At last, CT scans gave clear images, and provided the first clear window into the brain. Now, there are methods of merging the images created by CT and magnetic resonance imaging (MRI) scans to get the advantages of both technologies.

But there was a price to pay for the spectacular images. CT scanning has a drawback. It exposes patients to a much higher dose of radiation than a routine X-ray. That was an unknown hazard when Röntgen's discovery of X-rays were first applied in hospitals across the world.

To minimise the risks from the ionising radiation, designers of X-ray systems have devised various ways to drastically cut radiation doses. Conventional doses dropped sharply with the development of electronic image intensifiers. They make an image appear 1,000 times brighter. That means, in turn, that a clear picture can be produced with a lower-dose X-ray beam.

But surveys by the National Radiological Protection Board showed that the exposure of patients to radiation increased after the introduction of CT scanners. Counter-measures are in hand to restore doses to lower levels. One is contained in new guidelines that the Royal College of Radiologists are issuing this week and the other is a recommendation to make greater use of ultrasound and MRI.



Lending a helping hand: one of the earliest X-ray machines in action in 1909. Amazing progress since then has led to the latest scanning methods

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With his discovery of x rays in 1895, Roentgen paved the way for the medical imaging technologies of today. During this century of development, Siemens has constantly defined the cutting edge of innovation - even supplying Roentgen with his first commercially manufactured x ray tubes. Siemens is now the world's largest manufacturer of electro-medical equipment; with products ranging from pocket sized pulse eximeters to positron emission tomography systems, audiological to dental equipment.

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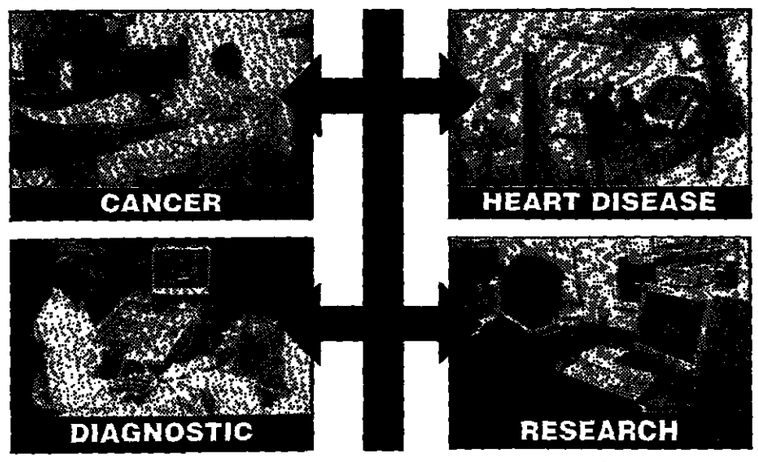
combats cancer and heart disease



Respond now to increase effective treatment and further research

The Royal College of Radiologists stands as a centre of excellence for promoting high standards of education and clinical practice for British radiology and clinical oncology throughout the medical world. Radiology encompasses a wide range of diagnostic and therapeutic methods. The two main branches are:

Clinical Radiology – the use of x-rays and other, newer, imaging methods to diagnose illness. Here, the Royal College of Radiologists leads the way in research into scanning, imaging and interventional radiology. For many patients these new techniques, pioneered by Fellows of the Royal College, will replace major surgery and hasten their recovery.

Clinical Oncology – the treatment of cancers. The College is concerned with research into, and encouraging the use of, new treatments for cancer that do not involve surgery – or are in conjunction with appropriate surgery. One research topic is designed to 'tailor' treatment to a patient's own tumour to give the best hope of cure and to minimise side effects.

Your donation now will help fund research for patient care for years to come.

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THE TIMES TODAY

MONDAY JUNE 12 1995

NEWS

Riots are blamed on cultural gap

■ Senior police officers yesterday blamed a widening cultural and generation gap within the Asian community for two nights of rioting and looting by youths in Bradford. They denied accusations that heavy-handed policing was the cause.

Norman Bettison, Assistant Chief Constable of West Yorkshire, said of the rioters, aged between 12 and 20: "I see a community tearing itself apart." He added that the rioters were Bradford-born and bred and did not feel part of the Muslim community .... Pages 1, 3

Tory warning for utility chiefs

■ Jeremy Hanley, the Conservative Party chairman, warned executives in the privatised utilities yesterday that the Government could be forced to take further action unless they exercised self-control over their perks .... Page 1

Rugby triumph

I cannot recall a game more emotionally draining, Rob Andrew writes. *It was not the hardest one* physically in which I have played, but the mental effort was huge .... Pages 1, 19, 25, 30, 31

Weather watchers

Weather reports from around Britain's coast are drying up and the Meteorological Office is asking for more amateur weather *watchers to volunteer* .... *Page 1*

Mortgage help

Kenneth Clarke is firmly expected by Cabinet ministers to try to *revive the housing market* by giving extra tax relief to first-time buyers .... Page 2

Thatcher onslaught

Baroness Thatcher unleashes her most wide-ranging criticism of John Major's Government today, demanding fundamental policy changes .... Page 2

Scots first again

The Scots, a race of genius who gave the world television, telephones, waterproof raincoats and the bicycle, also discovered America 94 years before the upstart Columbus .... Page 3

Costly Oxford

Students from poor families are being priced out of an Oxford education, a college treasurer has said, suggesting that parents take out insurance policies to meet the costs .... Page 5

West Bank deadline

The pace of Middle East peace diplomacy quickened further *when Warren Christopher said* that Israel and the Palestinians were determined to complete their agreement on the second stage of self-rule in the Occupied West Bank by July 1 .... Page 13

Rapport with France

British and French leaders will attend the G7 summit of the seven *most industrialised nations in* Halifax enjoying their warmest rapport for years .... Page 9

Missile madness

Britain will have to be protected within the next ten years from the threat of missile attacks from the "Club Mad" group of countries in North Africa and the Middle *East, the MoD says* .... Page 7

Mediator moves

Carl Bildt, the European Union's new mediator in the former Yugoslavia, began the first mission of his new assignment by visiting Russia .... Page 11

Unionist rampant

One of the most formidable Ulster Unionists since Lord Carson has emerged as frontrunner in the North Down poll .... Page 6

Gingrich's hunt

Newt Gingrich not only spotted his first four moose during his weekend *visit to* New Hampshire; he also snared the President .... Page 12

From pilot to scared bunny to hero

■ Since he was rescued from a Bosnian forest, the American fighter pilot Captain Scott O'Grady, who called himself a scared little bunny rabbit, has been transformed into a hero. As *he headed back to America yesterday, his return began to look* like a triumphal march, complete with a stop at Shannon *airport to meet his Irish relatives* .... Page 11

DENZIL McNEELANCE

Ramblers' Association members are the first to walk the hitherto forbidden footpath outside the MI6 headquarters at Vauxhall Bridge

BUSINESS

Lotus agrees: Lotus, the American computer software company, has agreed a higher $3.5 billion takeover bid from IBM, avoiding a punishing battle and creating an even more formidable new force in the international information tech*nology market* .... Page 48

Joint venture: British Aerospace *has agreed a joint venture* with Saab, of Sweden, and with Eurocopter, the Franco-German group, to establish a top role in the whole range of military aircraft, the company disclosed .... Page 48

Inflation dispute: Kenneth Clarke, the Chancellor, will reject the Bank's inflation measure when he unveils the next stage in monetary policy at his Mansion House speech .... Page 48

Memory trap: American scientists have discovered a way of restoring rats' memories that could have implictions for people suffering Alzheimer's disease .... Page 16

Opening doors: Dr Wendy Bickmore's work on chromosomes could influence our understanding of disease .... Page 16

Natural habitat: Terence Conran tells Julia Llewellyn Smith about the new restaurant he has created for Selfridges .... Page 17

Goalscorer: David Tytler on the 200th anniversary of Thomas Arnold's birth and how Rugby School has adapted his ideas — plus *The Times* guide to postgraduate courses .... Pages 39-42

Psycho soap: The Aldeburgh Festival has commissioned an opera from Nicola LeFanu: unfortunately, *The Wildman* turns out to be a drippy, psychotherapy opera in which the characters "find themselves" .... Page 15

Garden Verdi: Tonight's revival of *Stiffelio* at Covent Garden marks the launch of the Royal Opera's Verdi Festival .... Page 15

London transfer: David Edgar's play *Pentecost* arrives in London to launch the RSC's four-month season at the Young Vic .... Page 14

Roses at his feet: Engelbert Humperdinck seemed an unlikely repository for the devotion the predominantly female Albert Hall audience so obviously felt for him .... Page 15

IN THE TIMES

■ **ART AID**
The National Gallery is continuing to benefit from the generosity of a German art-lover

■ **EVENING OUT**
Take a friend to a summer concert or play for just 20p — a *Times* special offer

Football: Brazil won the Umbro Cup, beating England 3-1 at Wembley, inflicting the home team's heaviest home defeat since 1972 .... Page 27

Rugby union: France put Ireland out of the World Cup and qualified to meet, in the semi-finals, South Africa .... Pages 25, 30, 31

Cricket: England slumped to a nine-wicket defeat against West Indies in the first Test match, at Headingley .... Pages 28 and 29

Tennis: Thomas Muster, of Austria, won the French Open for the first time when he overpowered Michael Chang, of the US, in straight sets .... Page 26

Golf: Bernhard Langer, of Germany, took the Deutsche Bank Tournament Players' Championship in Hamburg with a six-stroke lead over Jamie Spence .... Page 32

Athletics: Lorraine Shaw, a world-ranked British hammer thrower, is fighting for recognition, despite breaking seven national records this season .... Page 32

Equestrianism: William Fox-Pitt took the Toyota Bramham International three-day event on Cosmopolitan .... Page 32

Racing: Training in Dubai played a vital role in Lammtarra's Derby triumph .... Pages 34 and 35

12, 15, 26, 44, 46, 49. Bonus: 14

Preview: Baroness Thatcher talks to Sir David Frost. *Thatcher: The Path to Power — and Beyond* (BBC 1, 10.10pm). **Review:** Matthew Bond enjoys *Oliver's Travels* and *The New Adventures of Superman* (BBC 1) .... Page 47

Cabinet crunch

When Lady Thatcher and Lord Tebbit feel able to fire their biggest shots in favour of their party rather than against, the public may find cause for faith as well .... Page 19

Serious about Syria

A return of some of the Golan — with the prospect of more land back for good behaviour — has to be better for Syria than the return of none at all .... Page 19

Thrilling tries

Only a ripping yarn for schoolboys would have the cheek to invent a finish like England's victory over Australia .... Page

WILLIAM REES-MOGG

In southern Africa, 500 million people are threatened with a fatal disease. The rest of us cannot just turn our backs .... Page 18

PETER RIDDELL

Tony Blair should not crow too much about Tory in-fighting over a single currency .... Page 18

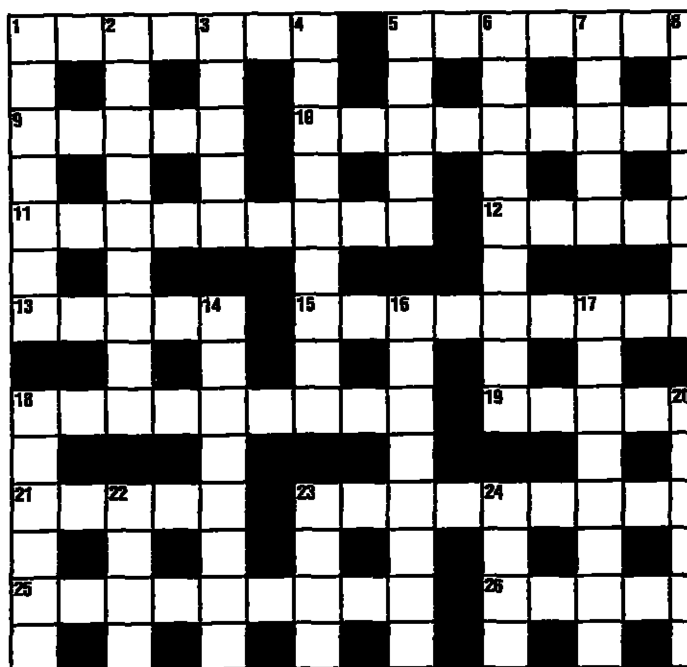
Charles Younger, former director of William Younger; **Alan Walker**, diplomat and journalist; **Emilio García Gómez**, Spanish Arabist .... Page 21

TV showing of *The Word* and *The Last Temptation of Christ* under attack .... Page 19

The obsession with this particular television trial [of O.J. Simpson] should not lead to a rejection of televised trials or any wholesale changes in the basic processes of American criminal justice
— The New York Times

The argument over how to treat the last Indochina boat people is not between those who care and those who do not. It is a clash over means among people who are trying to do the right thing
— The Washington Post

THE TIMES CROSSWORD NO 19,879



ACROSS

1 Financially unsound, such a strike? (7).
5 Agreement to keep the powder here (7).
9 Ring the lodging-place about returning (5).
10 Contribute money to an inferior writer (9).
11 Fine earthenware replica? No, confound it! (9).
12 Cancel the terms of reference (5).
13 Son put off by strong smell of fish (5).
15 Fur covers part of cap, it's possible to say (9).
18 Force to join the printing house band (5-4).
19 Gathering in church in a Paris street (5).
21 Relationship soldiers rejected when in port (5).
23 Interval provided by firm for meal (9).
25 Conspicuous source of riches invested in almost at once (9).
26 Lived with Oriental student in the outskirts of Detroit (5).
27 The husbandless woman's occupation (7).
28 The coolness of irregular forces (7).

DOWN

1 Politician has dog, perhaps — a racing one (7).
2 Many on farm having an extensive reach (4-5).
3 Counsellor Doone's son cut right out (5).
4 Main meal involving a fellow on board (6,3).
5 Murderer born inside a log hut (5).
6 Agricultural worker spreading scandal (9).
7 Saw a team of mules, initially (5).
8 Woman soldier crossing square to the centre of operations (7).
14 It could be hot air in South Acton, say (9).
16 Helicopter used by the catering corps? (3-6).
17 Writer's careless announcement of presence to a pirate? (9).
18 A seizure during physical training for defence work (7).
20 "Name of parent", it legally requires (7).
22 Old Icelandic character in a tree (5).
23 Provincial governor carrying keys is solid and muscular (5).
24 Credit party in America supporting king (5).

KNOCKANDO

The solution of Saturday's Prize Puzzle No 19,878 will appear next Saturday. The five winners will receive a bottle of Knockando, a superb Speyside Single Malt Scotch whisky and a fine leather credit card wallet.

Times Two Crossword, page 48

TIMES WEATHERCALL

For the latest region by region forecast, 24 hours a day, dial 0891 500 followed by the appropriate code:

Greater London	701
Kent,Surrey,Sussex	702
Dorset,Hants & IOW	703
Devon & Cornwall	704
Wilts,Gloucs,Avon,Soms	705
Berks,Bucks,Oxon	706
Beds,Herts & Essex	707
Norfolk,Suffolk,Cambs	708
West Mid & Sth Glam & Gwent	709
Shrops,Herefds & Worcs	710
Central Midlands	711
East Midlands	712
Lincs & Humberside	713
Dyfed & Powys	714
Gwynedd & Clwyd	715
N W England	716
W & S Yorks & Dales	717
N E England	718
Cumbria & Lake District	719
S W Scotland	720
W Central Scotland	721
Edin S Fife/Lothian & Borders	722
E Central Scotland	723
Grampian & E Highlands	724
N W Scotland	725
Caithness,Orkney & Shetland	726
N Ireland	727

Weathercall is charged at 39p per minute (cheap rate) and 49p per minute at all other times.

AA ROADWATCH

For the latest AA traffic/roadworks information, 24 hours a day, dial 0336 401 followed by the appropriate code.

London & SE traffic, roadworks	
Area within M25	731
Essex/Herts/Beds/Bucks/Berks/Oxon	732
Kent/Surrey/Sussex/Hants	734
M25 London Orbital only	736
National traffic and roadworks	
National motorways	737
West Country	738
Wales	739
Midlands	740
East Anglia	741
North-west England	742
North-east England	743
Scotland	744
Northern Ireland	745

AA Roadwatch is charged at 39p per minute (cheap rate) and 49p per minute at all other times.

HIGHEST & LOWEST

Saturday: Highest day temp: Edinburgh, 18C (64F); lowest day max: Cape Wrath, northern Scotland, 9C (48F); highest rainfall: Coltishall, Norfolk, 0.16in; highest sunshine: Anglesey, Gwynedd, 5.7hr

Said a fellow, "I hate it when I'm
Kept holding on...it's a crime
But phone WPA
And just as they say,
They answer in very quick time!"
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☐ **General:** cloud and heavy rain in the far southeast will clear away quite quickly during the morning for a brighter day than yesterday. Eastern coastal areas of England will be cloudy with a strong likelihood of a little showery rain.

Further west, there may be some *breaks in the cloud but it will mainly be* rather cloudy and dry. Scotland will have a few sunny periods to the south and west of higher ground. Temperatures generally will be rather cool for the time of year.

☐ **London, SE England, E Anglia:** cloudy with rain or patchy showers in the morning. Becoming dry and brighter later. Wind northeast, moderate. Max 16C (61F).

☐ **Central S, Central N, SW, NW England, Midlands, Channel Isles, Wales:** early cloud will give way to bright periods. Wind northeast, light to moderate. Max 17C (63F).

☐ **NE, E England, Borders, Edinburgh & Dundee, Aberdeen, Moray Firth, NE Scotland, Shetland:** cloudy with occasional light rain or showers. Wind northeasterly, moderate. Max 14C (59F).

☐ **Lake District, Isle of Man, SW Scotland, Glasgow, Central Highlands, N Ireland:** cloudy, some bright or sunny intervals. Wind north or northwest, mainly moderate. Max 16C (61F).

☐ **Argyll, NW Scotland, Orkney:** some sunny periods but cloudy later. *Wind north or northwest, moderate.* Max 14C (57F).

☐ **Outlook:** dry, cool and cloudy *conditions will continue.*

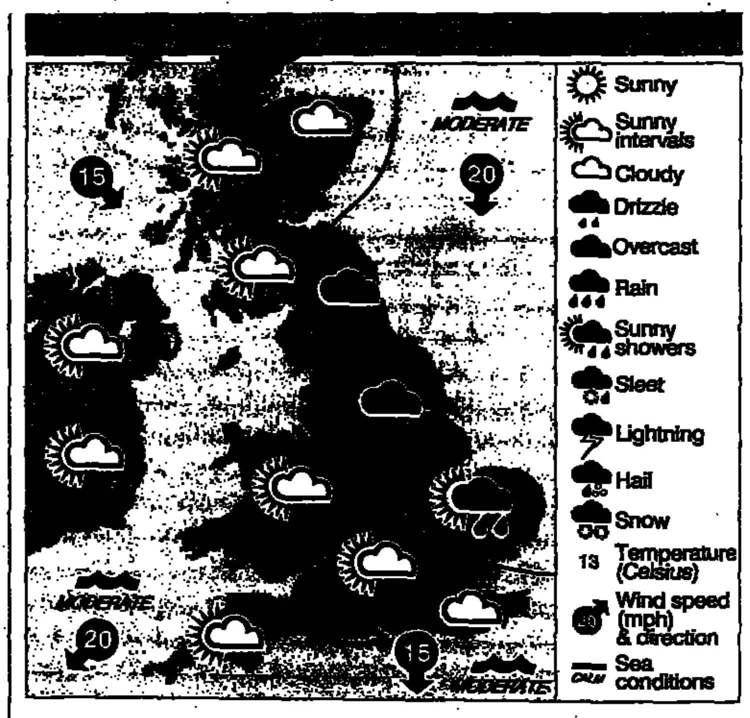
☐ **Pollen forecast:** Scotland L; *Northern England M; Northern Ireland* L; Midlands H; East Anglia M; Wales H; South East M; South West H; *London L.*
H=high, L=low M=moderate.

24 hrs to 5 pm: b=bright; c=cloud; d=drizzle; ds=dust storm; du=dull; f=fair; fg=fog; g=gale; h=hail; r=rain; sh=shower; sl=sleet; sn=snow; s=sun; t=thunder

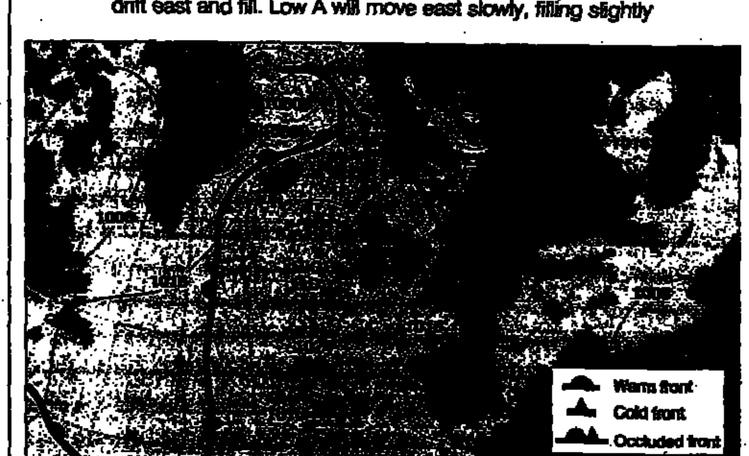
	Sun hrs	Rain in	Max C	F			Sun hrs	Rain in	Max C	F	
Aberdeen	0.8	0.04	11	52	r	Littlehmptn	0.8	0.05	18	64	sh
Anglesey	2.6	-	16	61	b	Liverpool	0.5	0.01	14	57	c
Aspatria	2.1	0.02	14	57	d	London	0.1	0.23	15	59	r
Aviemore	2.2	0.02	10	50	sh	Lowestoft	0.2	-	13	55	c
Belfast	2.7	0.02	15	59	b	Manchester	-	0.02	14	57	r
Birmingham	-	-	13	55	d	Margate	0.5	0.01	15	59	du
Bognor R	0.1	-	17	63	c	Minehead	0.1	-	14	57	c
Bournem'th	-	-	17	63	c	Morecambe	0.9	0.02	16	61	b
Bristol	0.1	-	16	61	c	Newcastle	-	0.12	11	52	sh
Buxton	0.6	0.07	11	52	sh	Newquay	1.1	-	13	55	c
Cardiff	1.3	-	17	63	c	Norwich	1.0	-	13	55	r
Clacton	0.2	0.03	14	57	d	Nottingham	X				
Cleethorpes	0.5	0.02	12	54	d	Oxford	-	0.02	14	57	r
Colwyn Bay	X					Penzance	1.7	0.08	16	61	sh
Cromer	0.2	-	10	50	c	Plymouth	X				
Doncaster	0.4	0.07	14	57	d	Poole	-	-	17	63	c
Dunbar	0.6	0.03	11	52	c	Prestatyn	X	-	15	59	du
Eastbourne	0.9	0.19	16	61	r	Ross-o-wye	-	0.01	15	59	d
Edinburgh	3.8	0.03	15	59	b	Ryde	0.7	-	16	61	c
Eskdalemuir	2.5	0.01	13	55	r	Salcombe	2.1	-	17	63	c
Exmouth	0.3	-	15	59	c	Sandown	1.0	-	16	61	c
Falmouth	1.1	-	16	61	c	Saunton Snd	0.6	-	15	59	c
Fishguard	-	0.01	12	54	d	Scarboro'	-	0.04	11	52	d
Folkestone	0.1	0.02	16	61	c	Shanklin	1.2	-	16	61	c
Glasgow	5.3	-	17	63	s	Shrewsbury	-	0.07	13	55	sh
Guernsey	-	-	15	59	c	Skegness	1.4	0.08	12	54	c
Hastings	0.6	0.18	15	59	r	Southend	X	0.05	15	59	sh
Hayling I	0.2	0.02	16	61	c	Southport	0.1	-	14	57	c
Herne Bay	0.4	0.02	14	57	c	Southsea	0.7	-	17	63	c
Hove	2.8	0.01	18	64	du	Stornoway	2.2	-	10	50	c
Hunstanton	2.1	0.16	12	54	c	Swanage	X				
Ilfracombe	X					Teignmouth	1.6	-	16	61	c
Isle of Man	3.2	-	16	61	b	Tenby	3.0	-	15	59	c
Jersey	1.3	-	17	63	c	Tiree	7.4	-	12	54	s
Kinloss	1.1	0.05	11	52	sh	Torquay	-	-	17	63	c
Leeds	-	0.20	12	54	d	Ventnor	0.3	-	16	61	c
Lerwick	0.8	-	10	50	sh	West-s-mare	X				
Leuchars	5.1	0.06	14	57	r	Weymouth	-	-	16	61	c

	C	F			C	F			C	F			C	F	
Ajaccio	21	70	f	Corfu	27	81	s	Madrid	22	72	s	Rome	22	72	f
Akrotiri	28	82	s	C'phagn	13	55	f	Majorca	20	68	f	S Frisco	18	64	s
Alex'dria	35	95	s	Dublin	12	54	c	Malaga	27	81	s	S Paulo	25	77	s
Algiers	24	75	f	Dubrovnik	26	79	s	Malta	25	77	f	Salzburg	13	55	c
Amst'dm	13	55	f	Faro	22	72	s	Melb'rne	13	55	c	Santiago	13	55	c
Athens	27	81	s	Florence	21	70	f	Mexico C	-	-	-	Seoul	28	82	s
B Aires	13	55	f	Frankfurt	15	59	c	Miami	32	90	s	Sing'por	31	88	f
Bahrain	36	97	s	Funchal	21	70	f	Milan	19	66	c	St'kholm	19	66	f
Bangkok	32	90	c	Geneva	12	54	s	Montreal	23	73	s	Strasb'rg	16	61	f
Barbados	29	84	f	Gibraltar	23	73	s	Moscow	27	81	s	Sydney	18	64	s
Barcelona	16	61	f	Helsinki	19	66	f	Munich	12	54	c	Tangier	21	70	f
Beirut	26	79	f	Hong K	25	77	r	N Delhi	39	102	s	Tel Aviv	31	88	s
Belgrade	29	84	s	Innsbrck	12	54	r	N York	22	72	c	Tenerife	25	77	f
Berlin	12	54	r	Istanbul	24	75	f	Naples	25	77	s	Tokyo	21	70	c
Bermuda	25	77	f	Jeddah	33	91	s	Nice	21	70	s	Toronto	20	68	c
Biarritz	15	59	s	Jo'burg	18	64	s	Oslo	15	59	f	Tunis	27	81	f
Borde'x	16	61	f	Karachi	33	91	f	Paris	16	61	f	Valencia	20	68	f
Brussels	15	59	f	L Angels	22	72	s	Peking	30	86	f	Vanc'ver	15	59	?
Budapst	25	77	t	L Palmas	23	73	f	Perth	15	59	s	Venice	23	73	f
Cairo	38	100	s	Le Touqt	15	59	f	Prague	11	52	c	Vienna	19	66	r
Cape Tn	16	61	f	Lisbon	22	72	s	Reykjavik	10	50	c	Warsaw	26	79	f
Ch'church	8	46	-	Locarno	13	55	c	Rhodes	27	81	s	Wash'ton	26	79	c
Chicago	26	79	c	Luxembg	11	52	c	Rio de J	30	86	s	Wel'ngton	-	-	-
Cologne	13	55	c	Luxor	41	106	s	Riyadh	41	106	s	Zurich	11	52	r

Temperatures at midday local time. X = not available



High D will maintain its position with little change in central pressure. Low N will drift east and fill. Low A will move east slowly, filling slightly



TODAY	AM	HT	PM	HT	TODAY	AM	HT	PM	HT
London Bridge	0:20	7.10	0:54	7.23	Leith	1:11	5.47	1:30	5.69
Aberdeen	0:01	4.13	0:24	4.27	Liverpool	10:07	9.45	10:32	9.70
Avonmouth	5:59	13.08	6:27	13.44	Lowestoft	8:24	2.49	8:42	2.51
Belfast	9:51	3.62	10:21	3.54	Margate	11:05	4.71	11:29	4.82
Cardiff	5:57	11.61	6:29	11.91	Milford Haven	4:59	6.81	5:26	7.03
Devonport	4:35	5.21	5:03	5.40	Newquay	3:58	6.74	4:22	6.86
Dover	9:46	6.55	10:10	6.73	Oban	4:36	3.82	5:06	3.94
Dublin	10:34	4.16	10:48	4.23	Penzance	3:27	5.23	3:54	5.40
Falmouth	3:55	5.11	4:21	5.14	Portland	5:43	1.96	6:14	2.16
Glasgow	11:49	4.53	-	-	Portsmouth	10:15	4.65	10:38	4.85
Harwich	10:49	4.00	11:13	4.04	Shoreham	10:12	6.09	10:34	6.24
Holyhead	9:11	5.61	9:35	5.75	Southampton	9:38	4.41	10:08	4.64
Hull	5:06	7.21	5:30	7.44	Swansea	4:59	9.27	5:27	9.54
Ilfracombe	4:43	9.04	5:12	9.29	Tees	2:20	5.34	2:49	5.48
King's Lynn	5:09	6.69	5:30	6.88	W'ton-on-Nze	10:43	4.22	11:07	4.26

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Sun rises: 4.44 am — Sun sets: 9.18 pm
Moon sets: 4.17 am — Moon rises: 8.26 pm
Full moon tomorrow

London 9.18 pm to 4.43 am
Bristol 9.27 pm to 4.53 am
Edinburgh 9.58 pm to 4.27 am
Manchester 9.38 pm to 4.46 am
Penzance 9.32 pm to 5.12 am

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TENNIS

26 Graf back on top of the world

CRICKET

29 England take a short cut to defeat

ATHLETICS

32 Striking a hammer blow for women's athletics

34 Lammtarra seals classic victory at Epsom

TIMES SPORT

MONDAY JUNE 12 1995

Andrew, the England stand-off half, launches the dramatic dropped goal that eliminated the champions from the Rugby World Cup yesterday. England will now play New Zealand for a place in the final

England get the drop on Australia to reach semi-finals

Andrew keeps dream alive

England	25
Australia	22

FROM DAVID HANDS
RUGBY CORRESPONDENT
IN CAPE TOWN

WAS there ever a game that England sought to win so much, and won? Having done so, they must climb the same mountain all over again when they play New Zealand next Sunday, on the same Newlands ground here, in the semi-final of rugby union's World Cup.

Sufficient until the day: for any English sportsman, on the southern tip of Africa or anywhere else, there have been few more heart-stopping moments than yesterday, when the 1991 finalists locked horns for the first time since that dull November day at Twickenham, when Australia won the Webb Ellis trophy.

The measure of England's achievement was that not only did they dismiss the most worthy of champions from the 1995 tournament, but they also did so after losing a ten-point lead. Once, twice, they had to come from behind, and with three minutes of added time having ticked away — and with the first extra-time game of any World Cup looming — Rob Andrew's right boot connected with one of the sweetest dropped goals he will kick in his career.

The whole England team raised their arms to the skies and Newlands, apparently full of their supporters judging by their rendition of the national anthem, went wild. They had suffered death by a thousand cuts during the preceding 80 minutes, but no more than the emotionally-drained team which, in the first half, had come close to realising the game it had sought to play, but had then watched as it drifted away in the face of steely opponents.

"There were two giants out there and it's not easy to weave the spells in those circumstances," Jack Rowell, the England manager, said. Until his players do, he has Andrew. The Wasps stand-off half dictated terms. He scored 20 points. He started the move which led to Tony Underwood's try. What more can one man do?

But before praising England, Australia deserve a decent burial. How sad for the tournament that a team of their quality should leave so early. Perhaps, as Michael Lynagh, the captain, hinted, the hunger was not the same. Certainly, the fluency was not,

yet it would be hard to overstate the quality of the game played by John Eales, the Queensland lock who at one stage threatened to squeeze England out of the game single-handed.

Midway through the second half, as Australia hinted for the only time at match-winning control, the ball seemed attached to Eales as though by a string. His athleticism and the forthright play of McCall at the front of the lineout gave Australia a vision of the semi-final which, ultimately, proved so illusory. It has been a golden era for the green-and-golds; now Lynagh, McCall and David Campese may make way for a new era; of players, and for the sport as a whole.

England, though, may bask in a warm glow. Their style may not be that to which Bob Dwyer, the Australia coach, aspires, but it served them well enough yesterday: a game based on probing use of the blind side, introducing the hard-running Carling to a perceived area of weakness just behind the Australia midfield, and the driving play of forwards, tight and loose, which forced error even from a team as sure of hand as Australia.

On a soft surface, with the smell of rain in the air and cloud hanging round Table Mountain, England lost Richards and the lead within a frenzied first four minutes. The No 8, his forehead split by a stray boot, had the flow of blood staunched and returned only to concede the penalty with which Lynagh, shortly to become the first player to pass 900 international points, gave Australia the lead.

Immediately, England imposed themselves on the game, and none more than Catt. His catching of the high ball was of the highest class, and only the strictures of a tight game-plan, which demanded field position above adventure, prevented him from running more. As it was, one delightful catch, run and kick from Campese's chip ahead will linger in the memory.

Rob Andrew	1
Diary	18
Leading article	19
David Miller	30
Scots beaten	30
South Africa pay	31

As they had hoped, England fractured the opposing half-back link by putting Gregan under pressure, forced the errors, and Andrew kicked the goals. Two penalty goals preceded the madcap gallop of the England backs when Lynagh, of all people, dropped the ball on England's 22: Andrew gathered and sent his centres away through a broken field before Tony Underwood, on halfway, sped away from the desperate pursuit of Smith.

Had Andrew not missed a penalty goal and a dropped goal, and had Carling not rejected an overlap in favour of kicking, England's half-time advantage might have been greater. As it was, with Richards absent for running repairs, their rhythm faltered. Lynagh stroked over a penalty goal and, within 45 seconds of the second half opening, Australia were level with a try straight out of their own game: rules football.

Lynagh spiralled a high ball into the left-hand corner and Smith, leaping above a statuesque defence, rolled over for the try. It was the moment for Australia to regroup and for the game, apparently, to slip from England's grasp. The two stand-offs exchanged kick for kick, nerve ends twitching frantically in what Rowell later described as the "shoot-out to end all shoot-outs".

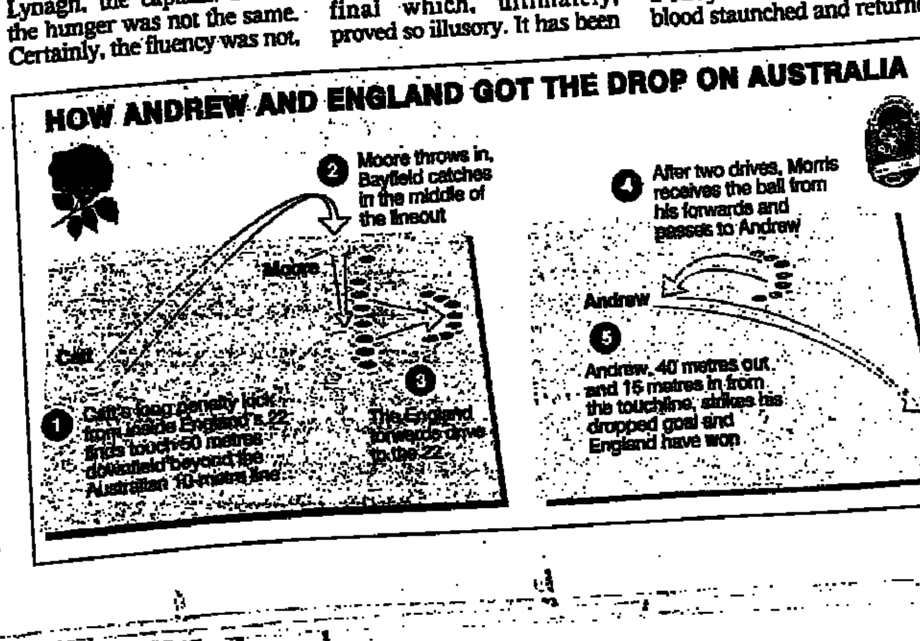
At 22-22, a dropped goal attempt from Campese flew wide — Lynagh had expected the ball on the left, where he had an overlap, but Gregan looked the other way. Instead, Catt dispatched a penalty towards the Australia 22, the ball was won, and so, thanks to Andrew, was the game.

SCORERS: England: Try: T Underwood. Conversion: Andrew. Penalty goals: Andrew (5). Dropped goal: Andrew. Australia: Try: Smith. Conversion: Lynagh. Penalty goals: Lynagh (5).

ENGLAND: M J Catt (Bath); T Underwood (Leicester), W D C Carling (Harlequins, captain), J C Guscott (Bath), R Underwood (Leicester/RAF); C R Andrew (Wasps), C D Morris (Orrell); J Leonard (Harlequins), B C Moore (Harlequins), V E Ubogu (Bath), T A K Rodber (Northampton/Army), M O Johnson (Leicester), M C Bayfield (Northampton), B B Clarke (Bath), D Richards (Leicester). Richards temporarily replaced by S O Ojomoh (Bath, 32-39min).

AUSTRALIA: M Burke (New South Wales); D I Campese (New South Wales), J S Little (Queensland), T J Horan (Queensland), D P Smith (Queensland); M P Lynagh (Queensland, captain), G M Gregan (ACT); D J Crowley (Queensland), P N Kearns (New South Wales), E J A McKenzie (New South Wales), R J McCall (Queensland), J A Eales (Queensland), D J Wilson (Queensland), B T Gavin (New South Wales).

Referee: D J Bishop (New Zealand)



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12.9%	£7,000	[illegible]	[illegible]	[illegible]
12.9%	£5,000	[illegible]	£72.54	£111.62
12.9%	£2,000	£24.30	£29.01	£44.77
£10,000 and over				
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11.9%	£15,000	£170.71	£209.52	£328.59
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THE LOAN CORPORATION

Saturday Derby lacks midweek atmosphere

MATTHEW BOND

TV ACTION REPLAY

The sun did not shine. Celtic Swing did not run and Pennekamp did not claim his place in horse racing history, but as the Epsom authorities cast around for reasons why switching the Derby to Saturday appears to have been a somewhat underwhelming success, there is one body, at least, to which no blame can be attached: Channel 4 Racing.

Andrew Franklin and his team nailed their colours to the Epsom grandstands and, from *The Morning Line* onward, fearlessly sallied forth. The Derby on a Saturday was a good thing. No other opinion would be brooked.

As an editorial stance, it was understandable but flawed. Understandable because, on what must surely have been the most competitive day of the year for television sport (French Open tennis on BBC1, Test cricket on BBC2 and World Cup rugby on ITV), having the rights to the premier British flat race was a considerable coup for Channel 4. If you have it, flaunt it — right? Well, up to a point.

Moving the Derby to Saturday is a big story for racing and its success or otherwise is not something that can be measured by Brough Scott spouting a few platitudes about "the people's race". It needed Derek Thompson to do his man of the people act among the crowds on the rails side of the course; it needed John McCririck to find bookmakers who might talk sensibly about levels of business; and it needed Lesley Graham to turn her back on fashion for a few moments to go to talk to those who make a living from peddling corporate hospitality. In short, it needed what Channel 4 Racing normally communicates so well — genuine atmosphere.

It got none of these, which was disappointing from a team which normally prides itself on its standards of popular journalism. Curiously, the one dissenting voice was Chris Evans, the radio and television personality who, as a guest of Channel 4, was invited to air his views on a Saturday Derby. "There's not the atmosphere there normally is," he told Lesley Graham baldly. "I thought Wednesday was quite special, but today is just another racing day."

Graham looked flustered. Scott was outraged: "Far be it from me to decry such a racing expert as Chris Evans ..." Evans, presumably, will not be invited again.

Yet, in the end, none of this really mattered; for, in the end, we got a race that was so improbable, so emotional, so downright remarkable that you were just very grateful to have seen it — and desperate to see it again. For just as England v Australia will have plucked ITV Sport's coverage of the Rugby World Cup from the mire of criticism that had surrounded it, so Lammtarra rescued Channel 4. The best sport can conquer everything, even an outside broadcast unit having an uncharacteristic off day.

Yet on a day when the really big story was always going to be Pennekamp's defeat rather than victory, Channel 4 even seemed ill-prepared for that when it eventually happened. The head-on cameras quickly identified the events that briefly occupied the stewards (Walter Swinburn's change of racing line on Lammtara), but where was Pennekamp?

For just as I wanted to see the winner's final furlong again, so I (and anyone else who had followed John Francome's Morning Line advice — "get as much of that 6-4 as you can") wanted to see what had happened to the favourite.

What was needed was a camera that tracked Pennekamp, rather in the same way that individual cameras now pick out individual athletes in sprints or particular players in American football games.

It might not be practical for all races, but surely it is for the Derby and such a short-odds favourite. Win or lose, if you have the footage, you have a story.

To be fair, as John Oaksey's well annotated rerun of the race eventually revealed, the Channel 4 cameras almost had the story. It was just sheer bad luck that, just before Thierry Jarnet pressed the pedal and found nothing, the director cut to another shot.

Chang has to bow to Muster's mastery

FROM STUART JONES, TENNIS CORRESPONDENT IN PARIS

FORCEFULLY, quickly and convincingly, Thomas Muster yesterday demonstrated his enduring tennis supremacy on clay as he won the French Open in one minute over two hours. He overwhelmed Michael Chang 7-5, 6-2, 6-4 to complete an unbeaten record throughout the season on the surface he so relishes.

The champion at Estoril, Barcelona, Monte Carlo, Rome and now Paris, he has established himself as one of the kings of his particular court. In the last quarter of a century, only Guillermo Vilas, who witnessed Muster's victory from the front row of the President's box, and Bjorn Borg, have been more dominant.

Had Muster not been the victim of a drunken driver who severely damaged his left knee in Miami six years ago, he might not have had to wait for so long to collect his, and Austria's, first grand slam title. At 27, he is a decade older than was Chang when he was crowned here in 1989.

Only Tom Okker, with 31 titles, had been more successful in the open era without claiming any of the four championships, but when Muster's chance came, he took it with all of the bristling aggression for which he is renowned. His triumph was ultimately as comfortable as Sergei Bruguera, the Spaniard he had deposed, had predicted.

Chang, with bulging calves beneath a small and compact frame, resembles Popeye, and he started as though he had consumed several tins of spinach for lunch. Hitting the ball uncharacteristically ferociously, he broke Muster in the fourth game and held four points for a 5-1 lead.

Muster, Pluto by comparison, was initially timid. It was as though he felt that, in such a regal setting and on so public an occasion, he should not indulge in the animalistic grunts that usually accompany each of his shots. He soon opened his shoulders, and his throat.

Exploiting angles, if not maintaining a consistent depth, he reeled off five games in a row to seize the first set and the initiative which he was never to relinquish. He allowed Chang only temporary respite before taking another five successive games to build a decisive lead in the third set.

"I put more pressure on and his game automatically went down," he said, matter-of-factly. At one stage, Chang, aware of the speed with which he was heading towards the runner's-up prize, stood transfixed on the baseline as though he no longer knew what he could do to avoid his fate.

Chang chose to change his strategy during the third set, advancing to the net but more in desperation than deliberation. Three times he was passed cleanly, and, at 2-2 and and 0-40, he was left with only one slender hope, that Muster's nerve might crack.

Chang, the sixth seed, survived because his opponent, the fifth, suddenly began to appreciate that he was about to realise his ambition. "Since I was a little kid, I dreamed of standing here," he announced to the crowd as he clutched the trophy, more than $500,000 the richer.

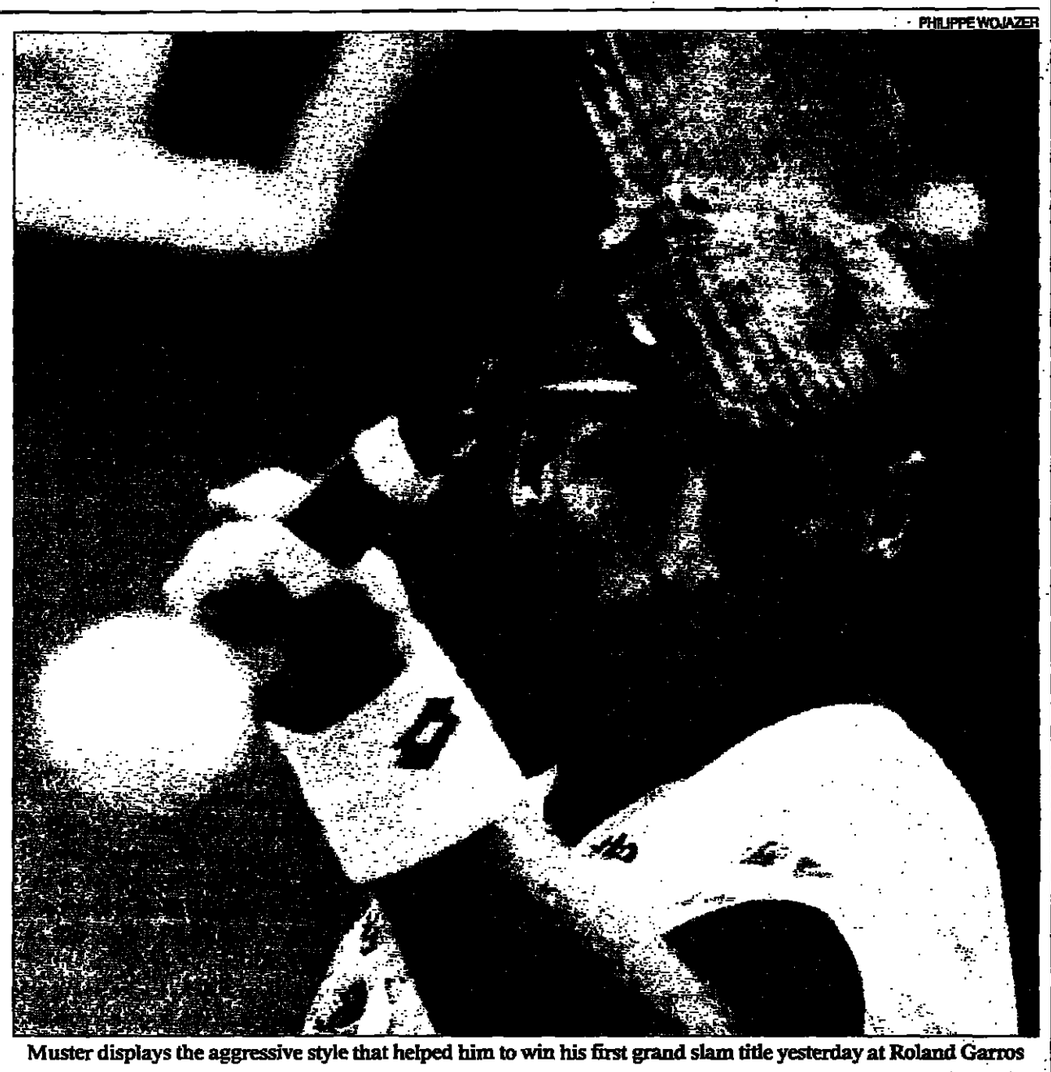
After breaking to lead 4-3, Muster admitted to being "shaky and nervous". With deep-throated roars of his own, Chang broke back and briefly lifted the competitive level of the final. Nevertheless, dragging wide a backhand, delivered typically with both feet off the red floor, the American submitted.

Muster, a fitness fanatic, leapt with the athleticism of a gymnast to climb over the perimeter boards and embrace his coach in the manner of Pat Cash at Wimbledon in 1987. Graciously, Chang paid tribute to the extraordinary record achieved by the Austrian.

Undefeated in 35 outings on clay since last October, he has won his last 30 matches, surpassing the best sequence of 1994, set by Pete Sampras. He will now put himself out to grass, not to play but to rest. The slick lawns of Wimbledon provide a surface which he finds alien, and he will not compete there.

Results, page 33

PHILIPPE WOJAZER



Muster displays the aggressive style that helped him to win his first grand slam title yesterday at Roland Garros

Graf back where she belongs

Stuart Jones in Paris watches the queen of tennis beat the pain and reclaim her crown

STEFFI GRAF surprised herself, bemused her coach and ridiculed the women's game when she reclaimed the French Open championship on Saturday. She had no match practice before the event, she fell ill during it, but was still able to finish with her first grand slam title for 17 months.

She accepted the trophy tearfully. "It has been a long, hard road," she said after beating Arantxa Sánchez Vicario and regaining her status as the world's No 1. Heinz Gunthardt, her coach, detailed the hardships and setbacks that she has had to endure since last summer.

The spur in her lower spine was diagnosed before the United States Open in August and aggravated in the final, which she lost to Sánchez Vicario.

There was consternation that her career might be over. "We thought she might be able to play socially," her coach said, "but not as the world's No 1 again."

Although Graf entered the Virginia Slims championship in November, the decision was politically motivated. "There was no way she was ready for that," Gunthardt said. "She couldn't even complete a set in practice." As fears about her back receded, she tore a calf muscle in December.

She was out of the Australian Open and incapacitated for another month. As her clay-court season approached, in Berlin two months ago, she contracted influenza and her back became troublesome once more. She was unable to resume practising until eight days before the French Open.

She was not sure whether she could compete, and neither she nor Gunthardt could be certain that she would be able to last three sets because her usual training schedule, of four hours a day, had been curtailed. Her first match on clay was in the first round.

During the second week, she caught the virus which has been circulating around Roland Garros and drops had twice to be put into her eyes during the opening set of the final. That she should go on to win "is an amazing feat", Gunthardt said, "and it puzzles me".

She may also have to go into Wimbledon with no match practice on grass. "This has taken its toll," Gunthardt said, "and she is physically not as strong as she was a couple of years ago."

During her recovery, she will celebrate her 26th birthday on Wednesday. She will then decide whether to enter Eastbourne, although the chances of her playing lie somewhere between slim and remote. She is more likely to practise extensively elsewhere, but, considering the past fortnight, she must be considered the favourite, and probably the No 1 seed, for Wimbledon.

She is unbeaten in 25 matches this year and the only two sets that she has dropped were here in the semi-final and final, both of which were strewn with errors. Her response to losing the second set to Sánchez Vicario was to win the third 6-0 in a mere 20 minutes to claim victory, 7-5, 4-6, 6-0.

The occasion, twice interrupted by rain, was spoiled by the negativity of Sánchez Vicario. The No 1 seed and holder, she was credited with only eight winners. One of them was a disputed ace and three others were returns from smashes. A counter-puncher, she countered but did not punch.

Graf appeared embarrassed when asked to compare her triumph with her other 15 grand slam titles. After hesitating, she said: "I played well when I had to." Perhaps she appreciated that, in enhancing her own stature, she had belittled those of her inferiors.

Schumacher holds key as manoeuvrings begin

FROM OLIVER HOLT IN MONTREAL

A STEADY, clinging drizzle and heavy fog cloaked the St Lawrence Seaway yesterday, clouding the drivers' minds with fears of a race blighted by high-speed aquaplaning and a chaos of spins. Amid the gloom and confusion, though, the salient facts surrounding the teams' scramble to sign the leading drivers for next season became very clear.

During the course of the weekend, it has become clear that the destination of the clutch of big names whose contracts expire at the end of this season depends on what Michael Schumacher decides to do. As the confidence and assurance of the world champion appears to increase with every race, the teams at the front of the grid are queuing up to lure him away from Benetton.

Schumacher started the Canadian Grand Prix yesterday from the ninth pole position of his short, but lustrous, career after a weekend of comfortable dominance over the Williams-Renaults of Damon Hill and David Coulthard. Whatever the race result, his impressive recovery from a shaky start to the year has left Schumacher as a firm favourite to claim his second successive world championship.

Benetton's best chance of hanging on to the German, who bestrides the team like a colossus, is to provide him with the car that takes him to the title this season. If that happens, secure and cosseted within the team, Schumacher would be unlikely to be tempted by other offers.

Flavio Briatore, the Benetton managing director, insists that he has not yet broached the subject with his driver but said yesterday that he saw the only threat to his continuation at Benetton coming from the Ferrari because of the amount of money they would be able to pay.

A move to Ferrari would also transform Schumacher's battered image at a stroke. Formula One neutrals are yearning for the first Ferrari world champion since Jody Scheckter won the title in 1979. If Schumacher provided it, his popularity would soar and his earning power would rocket.

Briatore hinted that if he did lose Schumacher, he would like to replace him with Jean Alesi, the Ferrari driver, in a straight swap. That would leave an uneasy alliance of Schumacher and Gerhard Berger, never the best of friends, at the Italian team unless Ferrari decide to opt for a completely new line-up and lure Coulthard away from Williams.

Niki Lauda, Ferrari's racing consultant, is a confirmed admirer of the young Scot and Jean Todt, the team's racing director, said yesterday that it was unlikely he would sign Jacques Villeneuve, the winner of the Indianapolis 500 this year and son of the legendary Ferrari driver, Gilles Villeneuve.

Williams are also keen to sign Schumacher but if they fail they may try to tempt Heinz-Harald Frentzen away from Sauber. Frank Williams has long been an admirer of the German, who was Schumacher's team-mate in their sports car days with Mercedes, but he will also be under pressure from Renault to draft Jean-Christophe Boullion, their former test driver, into the team.

Both Hill, who seemed out of sorts all weekend, and Coulthard are out of contract at the end of the season. Coulthard, who has become one of the sport's hottest prospects, has no option built into his contract and will therefore be free to negotiate his future to his best advantage. Indeed, if Williams does not move soon, Ferrari may step in.

Both the Williams drivers had a miserable warm-up session yesterday morning, spinning in the rain. Hill ended up in a gravel trap and finished sixteenth. Coulthard was twelfth, four seconds behind Alesi and Rubens Barrichello, the two drivers most likely to excel in wet weather.

Williams' season has already been blighted by a string of technical failures that have hindered their drivers' attempts to check Benetton's recent surge. The pressure, somewhat unfairly, is now on Hill and Coulthard to capitalise on any show of reliability by claiming maximum points.

Schumacher has not suffered any technical failures this season during a race whereas Coulthard has been defeated by technical problems in nine out of the 13 grand prix he has competed in for Williams.

MONTREAL DETAILS

FINAL QUALIFYING TIMES: 1, M Schumacher (Ger), Benetton, 1min 27.661sec; 2, D Hill (GB), Williams, 1.28.039; 3, D Coulthard (GB), Williams, 1.28.091; 4, G Berger (Austria), Ferrari, 1.28.189; 4, J Alesi (Fr), Ferrari, 1.28.474; 6, J Herbert (GB), Benetton, 1.28.498; 7, M Hakkinen (Fin), McLaren, 1.28.910; 8, E Irvine (GB), Jordan, 1.29.021; 9, R Barrichello (Br), Jordan, 1.29.171; 10, M Blundell (GB), McLaren, 1.29.641; 11, O Panis (Fr), Ligier, 1.29.809; 12, H-H Frentzen (Ger), Sauber, 1.30.017; 13, G Morbidelli (It), Footwork, 1.30.159; 14, M Brundle (GB), Ligier, 1.30.255; 15, M Salo (Fin), Tyrrell, 1.30.657; 16, U Katayama (Japan), Tyrrell, 1.31.382; 17, P Martini (It), Minardi, 1.31.445; 18, J-C Boullion (Fr), Sauber, 1.31.838; 19, L Badoer (It), Minardi, 1.31.853; 20, B Gachot (Fr), Pacific, 1.32.841; 21, A Montermini (It), Pacific, 1.32.894; 22, T Inoue (Japan), Footwork, 1.32.995; 23, R Moreno (Br), Forti, 1.34.000; 24, P Diniz (Br), Forti, 1.34.982

CHAMPIONSHIP POSITIONS: Drivers: 1, Schumacher 34pts; 2, Hill 29; 3, Berger 17; 4, Alesi 14; 5, Herbert 12; 6, Coulthard 9; 7, Hakkinen 5; 8, Frentzen 4; 9, Blundell 3; 10, Irvine 2; 11, Panis 1. Constructors: 1, Benetton 36pts; 2, Williams 32; 3, Ferrari 31; 4, McLaren 8; 5, Sauber 4; 6, Jordan 2; 7, Ligier 1.

☐ *Benetton deducted ten points and Williams six points for fuel irregularities*

REMAINING RACES: Yesterday: Canadian Grand Prix, Montreal. July 2: French Grand Prix, Magny Cours. July 16: British Grand Prix, Silverstone. July 30: German Grand Prix, Hockenheim. Aug 13: Hungarian Grand Prix, Budapest. Aug 27: Belgian Grand Prix, Spa-Francorchamps. Sep 10: Italian Grand Prix, Monza. Sep 24: Portuguese Grand Prix, Estoril. Oct 8: European Grand Prix, Nürburgring. Oct 22: Pacific Grand Prix, Aida, Japan. Oct 29: Japanese Grand Prix, Suzuka. Nov 12: Australian Grand Prix, Adelaide.

Injury bars Gunnell from European Cup

SALLY GUNNELL'S name will be missing from the Great Britain European Cup athletics team when it is announced today (David Powell writes). Her foot injury also makes the defence of her 400 metres hurdles world title in Gothenburg in early August doubtful. She did not train over the weekend after flying to Switzerland on Friday for specialist advice. She was told that what she thought had been an Achilles tendon injury was, in fact, a heel bursar.

The worrying aspect is that Gunnell will not begin racing until July and, according to Bruce Longden, her coach, she will have only two hurdles competitions before the world championships. Normally, she has six in a season before entering the championship arena.

☐ Jonathan Edwards broke the 13-year-old United Kingdom triple jump record at Loughborough yesterday. The Gateshead Harrier, 29, leapt 17.58 metres to add a centimetre to Keith Connor's mark, set in Utah in 1982.

Breakfast champion

CYCLING: Yvonne McGregor, the Commonwealth Games track champion who is a North Wirral team colleague of Chris Boardman, had a 4am alarm call yesterday to prepare for her 7 o'clock start in the women's national 25-miles time-trial championship in south Essex (Peter Bryan writes).

By 8 o'clock, she was confident of victory at her fifth attempt for none of her main challengers were ahead at any of the checkpoints. McGregor's winning time, 55min 00sec, was a championship record by 1min 31sec and was almost 13min faster than the first title-winning time, set 51 years ago. Maxine Johnson, the defending champion, finished second, 2min 16sec in arrears.

Rain stops Rusedski

TENNIS: The introduction of Greg Rusedski, left, to the Great British public as a Briton on British soil, was put on hold yesterday by that greatest of British traditions — rain (Alix Ramsay writes). Organisers of the Beckenham Open had planned an exhibition set with Stefan Edberg, but Rusedski's first job as the British No 1 will be to face Mark Petchey in the first round at Queen's today.

Double top for Davies

GOLF: Laura Davies, of Great Britain, became the first European to lead the money-lists on both sides of the Atlantic simultaneously with victory in the Evian Masters in France on Saturday. Davies had a superb closing round of 67 for a total of 271, 17 under par, which left her five strokes clear of Annika Sorenstam, of Sweden. It was her 36th career victory since 1985. "That is the best I have played all year," Davies said after pocketing a cheque for £40,630 to go top of the Ford order of merit.

Peck fêted at Cowes

YACHTING: *Camp Freddie*, the New Zealand-designed 31ft yacht campaigned by Greg Peck, was the toast at Cowes yesterday after winning the annual round the island race, the world's largest yacht race. Peck and his crew beat 1,260 yachts to capture the Gold Roman Bowl for the best handicap time. The Yarmouth lifeboat took off the crew of Mike Slade's *Longobada* when it ran aground on rocks near the Needles lighthouse. Derek Waiter's *Spirit of the North* suffered the same fate. Both received extensive damage.

Thompson in rematch

BOXING: Carl Thompson, of Manchester, whose attempt to lift the World Boxing Organisation cruiserweight title on Saturday in Manchester was frustrated in the eleventh round by a shoulder injury, could be given a rematch against Ralf Rocchigiani, of Germany (Srikumar Sen writes). Thompson was well in front at the time of the stoppage but the pain from his dislocated right shoulder forced him to retire.

Induráin wins again

CYCLING: Miguel Induráin, the winner of the recent Midi-Libre race, collected another prize yesterday when he triumphed in the Criterium du Dauphine at Chambery, France, from Chris Boardman, of Great Britain. The seventh and final stage, from Vaujany, was won by Fabian Jeker, of Switzerland, in a sprint finish. Induráin's victory is ideal preparation for his attempt to win a record fifth successive Tour de France. The Tour begins on July 1.

Doohan narrows gap

MOTORCYCLING: Michael Doohan, left, won the Italian Grand Prix yesterday to close the gap at the top of the world 500cc championship. The world champion, from Australia, rode his Honda off the course on the sixth lap, allowing Daryl Beattie and Alberto Puig to pass, but later regained the lead. Beattie, who was second, retains the overall lead, 24 points ahead of Doohan.

Bradford capture Smith

RUGBY LEAGUE: Bradford Northern will announce today that Brian Smith, who confirmed at the weekend that he is leaving Sydney St George, will succeed Peter Fox at Odsal. The capture of one of Australia's leading coaches represents a significant coup. Smith, who coached Hull with considerable success between 1988 and 1991, led St George to Winfield Cup finals in 1992 and 1993.

Cleland slips into lead

MOTOR SPORT: Alain Menu, of Switzerland, and John Cleland, of Scotland, had victories in the eleventh and twelfth rounds, respectively, of the Auto Trader British touring car championship as heavy rain led to two incident-packed races at Brands Hatch. They were stopped and restarted three times each. Cleland's victory, in a Vauxhall, gives him the overall lead over Menu in a Renault Laguna.

Monarchs tumble

AMERICAN FOOTBALL: The London Monarchs ended a disappointing World League of American Football season in an appropriate manner at White Hart Lane on Saturday, losing 22-9 to the Scottish Claymores. It was only the Claymores second win of a troubled season. Neither side reached the World Bowl, which will be between the Amsterdam Admirals and Frankfurt Galaxy.

World champions claim Umbro Cup with three second-half goals at Wembley

Brazilian class shatters England's illusion

England 1
Brazil 3

BY ROB HUGHES
FOOTBALL CORRESPONDENT

FOR 45 minutes, the competitive flame of England created an illusion on a sombre afternoon at Wembley. It seemed that high pace, high power, and the inevitable high ball could rub out *Jogo Bonito*, the fluidity and flair of Brazil. Think of it, Terry Venables's unbeaten team dictating matters to the world champions, an England side that had struggled against Japan, had come back from the dead against Sweden, now proving that the very best in world football are uncomfortable, indeed disorientated, when the ball is driven into their box above shoulder height.

And then the balloon punctured. The illusion became reality, the ball was brought back down to earth and Brazil

	P	W	D	L	F	A	Pts
Brazil	3	3	0	0	7	1	9
England	3	1	1	1	8	7	4
Sweden	3	0	2	1	5	6	2
Japan	3	0	1	2	3	7	1

RESULTS: England 2 Japan 1; Brazil 1 Sweden 0; Brazil 3 Japan 0; Sweden 3 England 3; Japan 2 Sweden 2; England 1 Brazil 3.

walked off with the Umbro Cup, with the £500,000 first prize, and with the reassurance to those who really care about quality in this game that class really does tell in the end.

It was not only Venables's first defeat in ten games as England coach, it was the first time since 1988 that England had conceded three goals in consecutive matches, the first time since West Germany came to Wembley in 1972 that they had finished so heavily beaten in this old stadium.

"Brazil Would Pick Le Tiss" read a banner draped across the tunnel at the Brazilian end of the 67,318 crowd. Brazil might then even aim for something far less sophisticated, something tenacious to the point of brutal, something in a No 4 shirt called Batty. Quite how he remained on the field after his assault and intended battery of Juninho, only the negligent Italian referee can answer. For Batty, already booked in the first half, perpetrated a foul so high, late and apparently deliberate on the 5ft 4in Brazilian playmaker that it revealed callous disregard for a fellow professional.

There was, it has to be said, spite and venom in Brazil's response. Roberto Carlos, the much admired left back, cynically hacked down Sheringham, and Edmundo followed through and needlessly kicked Flowers in the back of the head when the goalkeeper was grounded.

So, all was not pretty with the world masters. England had raised their game, raised the tempo, at least 30 per cent on the wretched efforts of last week. Scales and Cooper looked safer as a combination at centre back, Anderton, even in this company and even against Roberto Carlos, confirmed his thoroughbred wingmanship. And Sheringham, rather than Shearer, proved mobile and aggressive enough to rattle the Brazilian cage.

In the first half, although Ronaldo had pushed the ball through the legs of Scales and hit a post, it was the ariel bombardment by England that dictated. Charles Hughes, the Football Association's guru of the long ball, would have been in his smug element. For he, the man who dared to mouth that the whole world, and particularly Brazil, had got it wrong in the method of playing, would have seen England's direct approach scare the living daylights out of defenders such as Aldair and Marcio Santos.

It was sustained aggression, rewarded in the 39th minute by a stunning goal. Roberto Carlos had bundled Anderton to the ground. Pearce took the free kick, Jorginho headed it out, fully 25 yards from his goal. But Le Saux, enjoying the freedom of playing an attacking role on the left of midfield, conjured up a marvellous first goal for his country.

He took the ball on his chest, allowed it to ride a few inches away from his body, and then struck it with deliberate top spin so that it came down, deceiving Zetti, who misjudged it and could only push it on its way inside his post.

Strangely, England appeared to slacken the pace deliberately after half time. It was a curious thing to do, for it allowed Brazil to get a feel of the ball and exposed Batty for what he is. He gave the ball away, tried to retrieve it with a foul, and was punished with a free kick just outside the penalty area. Roberto Carlos feigned to take it but, instead, Juninho curled the ball with that old Brazilian magic over the wall and out of reach of the despairing Flowers.

That was in the 54th minute, and shortly after the 60th, Juninho once more unzipped the England defences. This time it was along the ground, with Scales, Batty and Cooper waiting for an offside whistle that never came. Ronaldo, 18, strode manfully through, controlled the ball as Flowers dived at his feet and slotted it into the net.

The game was up. Though Pearce was to strike the Brazilian bar, he was also to be the middle-man in the third, conclusive Brazil goal. Roberto Carlos had hooked the ball long out of defence, a Brazilian imitating an Englishman. Pearce, out of position, attempted to head it, mis-cued and put Edmundo clear. The Brazilian drew Flowers, flicked it with his right foot through the goalkeeper's legs and drove a nail into the pretence that England could bully Brazil into submission.

ENGLAND (4-4-2): T Flowers (Blackburn Rovers) — G Neville (Manchester United), J Scales (Liverpool; sub: W Barton, Newcastle United, 90min), C Cooper (Nottingham Forest), S Pearce (Nottingham Forest) — D Anderton (Tottenham Hotspur), D Batty (Blackburn Rovers, sub P Gascoigne, Lazio, 79), D Platt (Sampdoria), G Le Saux (Blackburn Rovers) — E Sheringham (Tottenham Hotspur), A Shearer (Blackburn Rovers, sub. S Collymore (Nottingham Forest, 90).

BRAZIL (4-3-1-2): Zetti (São Paulo) — Jorginho (Kashima Antlers), Aldair (AS Roma: sub Ronaldao, Shimizu S-Pulse, 89min), Marcio Santos (Fiorentina), Roberto Carlos (Palmeiras) — Dunga (VfB Stuttgart), Cesar Sampaio (Yokohama Flugels), Zinho (Yokohama Flugels) — Juninho (São Paulo: sub. Leonardo (Kashima Antlers, 84) — Edmundo (Palmeiras), Ronaldo (PSV Eindhoven; sub Giovanni, Santos, 76).

Referee: P Pairetto (Italy)

Zetti, the Brazil goalkeeper, dives in vain as Le Saux's first goal for England curls into the net behind him at Wembley yesterday. Photograph: Andre Camara

Austrians present fresh doubt over Irish challenge

Ireland 1
Austria 3

FROM PETER BALL
IN DUBLIN

JUNE has proved the cruellest month for the Irish. Yesterday's defeat by Austria at Lansdowne Road, only their fourth at home in Jack Charlton's 90 matches in charge, means they have taken only one point from their two European championship qualifying group six matches this month. Qualification, apparently a formality before their visit to Lichtenstein nine days ago, is now up in the air, with Austria's win putting them two points behind Ireland with a game in hand.

"There are a lot of hard games to come for everyone," Charlton said afterwards, "but Ireland's visit to Vienna in September is suddenly assuming crucial importance."

As worrying as the result was the performance. In spite of taking the lead halfway through the second half, Ireland were exposed by an Austrian side that had shown little real desire until Houghton's goal.

"The long hard season has shown in the last two weeks," Charlton said. "This was not us in any way, shape or form. We didn't have the running power we usually have."

Until the hour was up, there had been little to suggest that either side had great ambitions. Ireland's direct style

GROUP SIX

	P	W	D	L	F	A	Pts
Portugal	6	5	0	1	17	5	15
Ireland	7	4	2	1	14	4	14
Austria	6	4	0	2	20	4	12
N Ireland	7	3	1	3	10	11	10
Latvia	7	2	0	5	6	16	6
L'tenstein	7	0	1	6	1	28	1

RESULTS: Northern Ireland 4 Liechtenstein 1; Liechtenstein 0 Austria 4, Latvia 0 Ireland 3; Northern Ireland 1 Portugal 2; Latvia 1 Portugal 3; Austria 1 Northern Ireland 2; Ireland 4 Liechtenstein 0, Portugal 1 Austria 0, Liechtenstein 0 Latvia 1, Northern Ireland 0 Ireland 4. Portugal 8 Liechtenstein 0; Ireland 1 Northern Ireland 1; Austria 5 Latvia 0; Ireland 1 Portugal 0, Latvia 0 Northern Ireland 1; Austria 7 Liechtenstein 0. Portugal 3 Latvia 2. Liechtenstein 0 Ireland 0; Northern Ireland 1 Latvia 2, Ireland 1 Austria 3

was unrewarding in the high winds and, for all their technical superiority, Austria seemed content to stroll through the game.

Then things began to change. Houghton gave Ireland the lead after 67 minutes as Cascarino's shot deflected off a defender and Austria looked in vain for the offside flag. However, if Austria felt let down then by Markus Merk, the German referee, the official was soon to compensate. Another two minutes and he was seduced by Polster's histrionic fall and gave him a free kick. Polster bent it round the wall and past Kelly for the equaliser.

Another five minutes passed and the referee intervened again, appearing to give Ireland a free kick and then changing his mind. Ireland were caught off guard and the ball was played through for Ogris to beat Kelly from fifteen yards. That was virtually that, although Polster rubbed salt into Irish wounds as he headed home a free kick for his tenth goal in the competition so far.

IRELAND (4-4-2): A Kelly (Sheffield United) — G Kelly (Leeds United), P McGrath (Aston Villa), P Babb (Liverpool), D Irwin (Manchester United) — R Houghton (Crystal Palace), J Sheridan (Sheffield Wednesday), R Whelan (Southend United), S Staunton (Aston Villa, sub J Kenna, Blackburn Rovers, 45min) — T Coyne (Motherwell), N Quinn (Manchester City: sub A Cascarino, Marseilles, 57).

AUSTRIA (3-5-2): M Konsel (Rapid Vienna) — A Pfeffer (Austria Memphis), P Schottel (Rapid Vienna), C Fürstaller (Casino Salzburg) — J Kögler (Admira-Wacker), C Prosenik (Austria Memphis), D Kühbauer (Rapid Vienna), H Pfeifenberger (Casino Salzburg: sub A Hutter, Casino Salzburg, 83), S Masarek (Rapid Vienna) — D Ramusch (Linz: sub A Ogris, Austria Memphis, 71), A Polster (Cologne)

Referee: M Merk (Germany)

Japan's toils draw to honourable close

Japan 2
Sweden 2

BY RUSSELL KEMPSON

FOR the past fortnight, Japan's esteemed football administrators have been mixing in the politically correct circles of the Umbro Cup. As the players have frightened England, paid homage to Brazil and shackled Sweden, their elders have sought sympathy and support from the powers that be.

With the staging of the World Cup in 2002 a joust between Japan and South Korea, and the decision due in June next year, the lobbying is well under way. What better platform on which to display one's wares than in a four-cornered fight also involving the world champions, the World Cup semi-finalists and the country that supposedly invented the game?

So Saturday proved a bizarre occasion, a mix of cultures in a mostly empty stadium. A functional Swedish side, young, predominantly female, Japanese supporters and a vast Oriental press contingent, added to the spectacle.

Miura, of Genoa in Italy, will shine in the most competent of company, and he masterminded Japan's opener in the ninth minute, when Fujita took advantage of a fortunate rebound to lash the ball past Ravelli. Japan deserved their half-time lead.

Sweden awoke from their slumber after the interval, with Kennet Andersson scoring twice — a drilled, low shot from Ola Andersson's tapped free kick and a gentle touch from Lucic's header that dribbled past Shimokawa.

Five minutes from time, Ravelli's poor clearance was directed through to Kurosaki, the Kashima Antlers striker, and he cleverly guided in the equaliser. Not enough to lift Japan from the Umbro Cup basement, but an eminently honourable farewell display.

JAPAN (4-4-2): K Shimokawa (JEF United Ichihara) — A Narahashi (Bellmare Hiratsuka; sub: H Yanagimoto, Sanfrecce Hiroshima, 85min), M Ihara (Yokohama Marinos), T Hashiratani (Verdy Kawasaki), N Omura (Yokohama Marinos) — T Fujita (Jubilo Iwata; sub: H Moriyasu, Sanfrecce Hiroshima, 71), M Yamaguchi (Yokohama Flugels), T Kitazawa (Verdy Kawasaki; sub. M Fukuda, Urawa Red Diamonds, 81), N Soma (Kashima Antlers) — K Miura (Genoa), H Kurosaki (Kashima Antlers).

SWEDEN (4-4-2): T Ravelli (IFK Gothenburg) — G Sundgren (AIK), T Lucic (Vastra Frolunda IF), J Bjorklund (IFK Gothenburg), P Kamark (IFK Gothenburg) — N Alexandersson (Halmstads BK), P Wibran (Osters IF), O Andersson (AIK), N Gudmundsson (Halmstads BK; sub: M Nilsson, IFK Gothenburg, 73) — K Andersson (Caen), H Larsson (Feyenoord).

Referee: A Amendola (Italy).

Stage worthy of better performances

Christopher Irvine enjoys the heady atmosphere of Elland Road during the England team's Umbro Cup excursion to Leeds

England were back in the discomfort of their own home yesterday. Elland Road might not have Wembley's cachet nor the allure of the Twin Towers, and Heath Grove has little of the mythical pull of Wembley Way. What you get is a seat with a back on it, leg room, a view uninterrupted by pillars or heads, and no risk of flash-floods of urine cascading down stairwells.

The danger in the new 17,000-seat East Stand at Leeds United comes not from blocked toilets, but an on-rush of vertigo. "Highest cantilevered stand in Europe," my neighbour, unsympathetic to my greying pallor, cheerily informed me. I had guessed as much from the ten flights of stairs, but now the heady anticipation of England's first visit to the provinces in 29 years had given way to genuine giddiness.

Imagine watching football from Beachy Head and you get the idea. I turned to an article in the match programme — "Who can stop Gothenburg?" — in the same way that concentrating on the horizon wards off sea sickness. As awe-inspiring as the San Siro in Milan and Barcelona's Nou Camp appear, when you are perched at the top of one of these towering babels, it is an awfully long way down. Binoculars are advisable, an oxygen mask tempting.

As a dress-rehearsal for the European Championships in June next year, Elland Road, unlike England's woefully naive and desperately fortunate 3-3 draw against Sweden, passed muster last Thursday. It is one of seven magnificently refurbished stadiums hosting Euro '96, along with tatty, tacky Wembley.

My last paying visit to Elland Road had been eight years ago: an unpleasant one, which involved the rescue of an elderly visiting supporter trapped behind enemy terraces by a baying Leeds mob. My returns since have been confined to the safety of the press box, a sealed sanctuary of tinted glass, cinema seats, and as much atmosphere as *Match of the Day* with John Motson turned down.

But how to get a ticket? Two days before, I spent four fruitless hours ringing the Leeds United ticket number. Four times I managed to get through, heard a garbled recorded message and the line went dead. A fifth occasion, the voice triumphantly declared: "The dial-a-ticket lines are now closed."

The club's main office advised a trip to the ticket office. As I live half-an-hour away, this was not the inconvenience facing fellow-queuers from Liverpool, Manchester and Blackburn who had encountered the same problem, and another of a refusal to accept credit card bookings by telephone four days before the game. Result: anger, confusion and a crowd 8,000 fewer than the 40,000 capacity forecast.

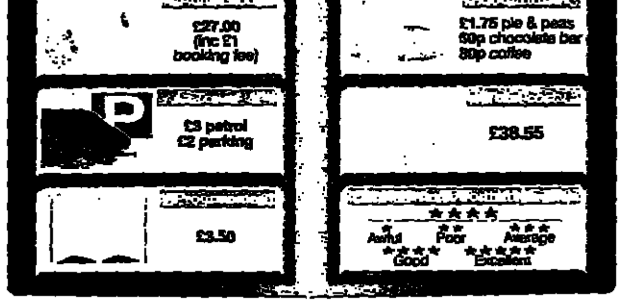
A £1 credit card booking charge on a £26 top price ticket was insulting for a seat that will cost nearly double that for the championships. While there is time for improvement on that score, Elland Road was proudly spick and span for its new status as an international football venue; what the game lacked in precision, the colourful ceremonial made up in clockwork.

Before nervously taking my seat, I had devoured pie and peas, a bad idea as it turned out, but made the better at the time for being awash in Yorkshireman's relish — mint sauce. Sports catering is slowly learning the benefits of choice. Fish and chips were available on the concourse below. As my ticket was for the upper stand and, presumably, the fish were not flying to be fried at such heights, an orange coat politely barred my way.

Up in the Gods, Gazza was distinguishable from the Swedes by his blonder shorn fuzz. Thousands of children in the Revie Stand chanted his name. When he and Nick Barmby came on after 63 doom-laden minutes, the crowd would have roared for Abbot and Costello in the circumstances.

Even from what seemed half-a-mile away, the grimace of Terry Venables was evident. And, then, a nod of David Platt's head and the tremulous left boot of Darren Anderton in the dying minutes managed to disturb even the slumbering remnants of the Barmy Army despatched from the Test match across town. "You were robbed," one of their number told three Swedish women. Sweden were, but the majority heading for cars and buses were not complaining.

Memo to Football Association: Please don't leave it another 29 years for England's next Wembley away day.



'Charlie' finds her feet in Sweden

FROM ANDREW LONGMORE
IN KARLSTAD, SWEDEN

AS Paul Ince contemplates a move from Manchester to Milan, he will be aware that the list of successful Anglo exports is about as exclusive as his potential new pay bracket. Ray Wilkins crossed the divide, so did Gary Lineker and David Platt, and then, of course, there is Karen Farley, whose goals have taken England's women to a world cup quarter-final against Germany tomorrow night in Vasteras.

Farley is from Ashford, Kent, and would, on her own admission, still be stumbling about in the twilight zone of English football had she not taken up an offer to play for a club in southern Sweden. Five years on, at the age of 25, Farley is happily settled in Stockholm, with a job, her own flat and a fluency in both Swedish and football that has made her indispensible to this English team. When she is not scoring goals with a barnstorming relish — two in three games so far — she is sorting out the travel arrangements for the select band of England supporters or teaching her team-mates a few Swedish swear words. There are a few, apparently.

And, wherever the action on the field, there has been the squat, combative figure of "Charlie". Tripped for the penalty which calmed English nerves in the first game against Canada, she ended the 3-2 win over Nigeria here on Saturday with a split lip, a strained thigh and two goals, the first a header from a corner, the second a rebound from her own shot. In between, it was from her arrowed cross that Walker cracked home a header as powerful and neat as any you would see on a Saturday afternoon in the FA Carling Premiership.

She is also a totem for the future of English women's football, an example of how far England still have to travel in their attitudes to the game and, on a more optimistic note, of what can be achieved by players willing to take a chance. One April Tuesday in 1990, Farley was a Millwall Lioness, subject to all the hidden ties that hold back the development of the English game, not even on the fringes of the England side; the next Sunday, she was training with her new team in Lindsdals and opening her eyes to a society that does not just accept, but actively encourages, women footballers.

"If I had stayed in England, I know I would not be taking my football as seriously as I do now," she said. "It's a matter of attitude. Women are treated like men, not put in the corner and told to do the washing-up.

"In England, if you say you play football, people want to know what's wrong with you. Over here, they're really impressed. If I apply for a job, I always say I play football because it's such a plus.

"When I was at school in Ashford, I couldn't play football in PE lessons. I had to play netball. Here, girls and boys play football together. My club in Stockholm has girls' teams at under-seven, under-nine and under-11 and that would be the same in every town."

Farley plays on Wednesdays and Saturdays, trains every other evening of the week except Sunday and her football displays a physical self-confidence that marks her out from most of the English team. "She's a bubbly, infectious character, and she's competing regularly at a higher level than any of the others. She knows what to do when she's being marked and she makes good, aggressive, runs," Ted Copeland, the England coach, said.

Though none of the Swedish girls are paid, Farley earned £900 a month for playing until she was granted a work permit and found a job, at first working with refugee children from Bosnia. Her new club, Hammerby, in Stockholm, who paid £7,000 for Farley's talents, has helped her find a flat as well as work, all part of the service. The only conflict comes when Farley's effervescence meets Swedish reserve.

"Sometimes, on the pitch, I want to scream and shout at my team-mates, but it's just not done. I mean, the games are tough, but very sporting. Everyone's very nice. Just occasionally, though, I want to say: "Yes, but say what you really think."

Inconsistencies undermine system

Debacle at Derby pitches TCCB into difficulties

BY ALAN LEE, CRICKET CORRESPONDENT

IN HORSE racing, there is righteous uproar if stewards ignore the outlandish and inquire into the mundane. Cricket too easily accepts such inconsistencies, especially where the preparation of pitches, and their effect on the balance and duration of matches, is concerned.

On the face of it, there can have been no madder example of this than the reporting of the pitch at Trent Bridge, on which 861 runs and 23 wickets have adorned the first three days of a Britannic Assurance county championship match, and the official blessing given to the surface at Derby, where a game ended, on Friday, within five sessions of utter domination by the quicker bowlers.

This is the second time this season that Derbyshire have prepared a well-grassed pitch and lost inside half the allotted distance of a four-day game, without attracting so much as a visit from the "stewards". They are not alone, for the championship this year has already produced far too many early finishes that cannot simply be explained by the vast superiority of one team over another.

This vexatious issue is the responsibility of the Test and County Cricket Board's pitches committee, though not exactly its fault. The umpires at Trent Bridge believed that there was something irregular worth bringing to the committee's attention. The umpires at Derby, for reasons best known to themselves, did not. On these judgments, so the regulations dictate, matters must rest.

Donald Carr, the chairman of the pitches committee, conceded yesterday that the public is entitled to feel bewildered. "It does look very odd, I agree," he said, "but the first move in these matters has to come from the umpires, who make contact with us if they are unhappy about anything."

Mervyn Kitchen and John Harris, the umpires at Derby, were, by all accounts, satisfied with the surface, a view not shared by Allan Lamb, of Northamptonshire, the winning captain, or many neutral observers of the game. Carr, who is operating under a handicap while Harry Brind, his chief pitches inspector, recovers in hospital from a mild heart attack, now intends to make his own inquiries.

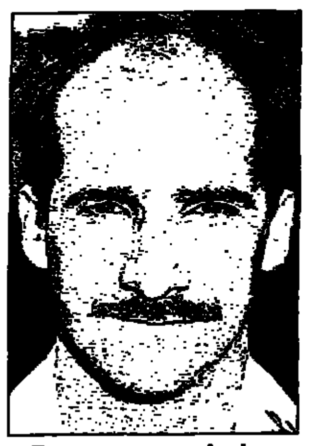
"We automatically make a few calls when a game is over inside two days," Carr said. "That will happen in this instance and I shall speak to the umpires, the captains and the ground authority. No penalty can follow, but, if we consider our guidelines were broken, we would certainly write to the county and remind them what we expect."

Only two pitches, at Lord's and Worcester, have so far received endorsements after being reported as "poor" this season, and Carr will announce his findings concerning Trent Bridge today. It would be richly ironic if Nottinghamshire were punished for preparing a pitch that turns — which was the expressed priority of the board for this season — while Derbyshire escaped for two pitches designed specifically for seam.

The Derbyshire defence is unconvincing. Kim Barnett, the captain, says that he does not believe in making pitches to fill the time available. Carr, a former captain of Derbyshire himself, confirms that this is not the attitude that he is seeking. "We have got a four-day championship, which people believe to be the right length, and the great majority of games should go well into a fourth day," he said. "We are encouraging umpires to bring any doubts to our attention, and reassuring them that this is not an automatic condemnation of any pitch."

Despite the anxiety over pitch standards, several excellent contests enter their final day today, and Northamptonshire's lead at the head of the table will this evening be 23 points unless Warwickshire, the champions, can turn an admirable rally against Sussex into an improbable victory. Overnight, they lead by 41 runs, with Nick Knight 26 runs short of a first century for his new county.

Essex, the county he left, are well placed to inflict a sixth successive defeat upon Durham and have Darren Robinson, Knight's opening replacement, to thank, after his maiden century on Saturday. Spin will probably decide the issue, as it often does on a fourth day at Chelmsford. Patrons of Derby know little of such pleasures.

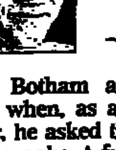


Barnett: unconvincing

Robinson: maiden century

As his Somerset team-mates celebrate the fall of another wicket, Harden, left, is a man apart at the Oval. Photograph: Des Jenson

Harden proves to be better than average



Simon Wilde finds a Somerset batsman who is making his mark after years of relative anonymity

Imagine that you are one of cricket's great draw-cards. You are Ian Botham, Vivian Richards, Martin Crowe or Mark Lathwell. People pay money to come and watch you entertain them. Every time you play, you carry the burden of expectation. Ghastly, is it not? Lathwell certainly thinks so.

Imagine something else. That you are not any of these people; but you play with all of them. Nobody cares if you succeed or not. Often, they actually want you to be out, because you are an obstacle to the main attraction. Even ghastlier, yes?

Welcome to the world of Richard Harden, the man who has played Salieri to all these Mozarts. Harden, 29, has occupied a place in Somerset's middle order for ten years, during which time circumstances have offered him an unusual number of opportunities to study the gifts that God or Nature bestows on some individuals but denies to others.

The first time that Harden met Botham and Richards was when, as a young teenager, he asked them for their autographs. A few years later, he was playing alongside them. He has never got over the experience. "It was a great thing for me to play with them," he said.

As it happened, the acrimonious departure of Botham and Richards, in 1986, was the start of two bad years for Harden. He spent the first struggling for runs and most of the second out of the side after a delivery from Paul Jarvis smashed his right index finger. He did not re-emerge until 1989.

"Richard is a pessimistic player," Peter Roebuck, a former team-mate, said. "His two years of failure hit him hard. He came back as a gritty, damned-if-I'm-going-to-get-out sort of player. He had developed an inferiority complex.

"He thinks he has no talent, so he tries to be perfect in every other respect. He trains very hard — he is the fittest man in the Somerset team — and needs to feel right all the time if he is to do well."

Anyone who has studied Harden at the crease knows that this is true. As he prepares to receive the ball, he checks that every item of kit is in place: leg-pads, thigh-pad, box, gloves, wrist-bands, arm-guard, helmet. Every ball he does this, just in case it might save his wicket.

Yet even Harden must have had days when he was touched by greatness? "I am not that sort of player," he said. "I don't play the sort of innings that stick in people's minds."

He had to be pressed to name a performance of which he was proud. "Well, I did once get a hundred against Ian Bishop on a fast, bouncy pitch at Taunton," he said. It was in 1992, and he made 166 not out, but, even then, circumstances contrived to deny him his due merit because the later runs came off declaration bowling.

Harden's greatest asset, by his own estimation, is his concentration. He maintains it between deliveries by wandering near the crease, head cast towards the ground, denying himself the chance to be distracted. Chris Tavaré, to whom Harden acted as vice-captain for four years, used a similar method with equal success.

When Tavaré retired, in 1993, Harden hoped to inherit the Somerset captaincy, but it went instead to Andy Hayhurst. Harden's outlook had counted against him. Remaining true to his obstinacy, he has refused to act as deputy since.

It was not always like this. Harden, who was born and bred in the county, arrived at Somerset from King's College, Taunton, where he had flourished, under Roy Marshall, as a precocious and hard-hitting batsman. At 20, he scored 1,000 first-class runs in his first full season. "He dominated by his sheer presence," Roebuck recalled. "He was physically big for his age."

Yet this is not a tale of frustration. This year, a change has come over him. Having secured a three-year contract and a benefit, he has finally begun to assert himself. He has scored three championship centuries, almost added a fourth at the Oval last Friday, and is top of the national averages.

Tomorrow, Somerset meet Kent for a place in the Benson and Hedges Cup final. Harden, who has played in three losing semi-finals, would dearly like to help his county win their first competition since Botham and Richards brought home the NatWest Trophy in 1983. Then, perhaps, people will come and watch him too.

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SATURDAY'S SCOREBOARD

Britannic Assurance county championship

Essex v Durham

CHELMSFORD (third day of four): Essex, with two second-innings wickets in hand, are 309 runs ahead of Durham

ESSEX: First Innings 373 (G A Gooch 97, M E Waugh 95, N Hussain 66; Walker 8 for 118).

Second Innings

G Gooch c Ligertwood b Prabhakar .. 11
D Robinson st Ligertwood b Cox 110
M E Waugh lbw b Walker 12
N Hussain b Cox 23
*P J Prichard c Morris b Prabhakar ... 16
R C Irani b Walker 11
†R J Rollins c Blenkiron b Walker 15
P M Such c Blenkiron b Walker 13
D M Cousins not out 1
N A Derbyshire not out 9
Extras (lb 3) 3
Total (8 wkts) 224

FALL OF WICKETS: 1-44, 2-73, 3-122, 4-155, 5-180, 6-184, 7-212, 8-212.

BOWLING: Brown 14-4-27-0; Prabhakar 18-3-56-2; Walker 22-5-51-4; Cox 25-6-61-2; Boiling 7-1-26-0.

DURHAM: First Innings

J I Longley b Irani 21
*M A Roseberry lbw b Irani 23
J E Morris c Hussain b Waugh 4
M Prabhakar c Hussain b Waugh 4
W Larkins c Gooch b Derbyshire 22
D A Blenkiron c Irani b Cousins 94
†D Ligertwood c Rollins b Childs 25
J Boiling c Gooch b Waugh 24
D M Cox c Rollins b Such 5
A Walker b Childs 5
S J E Brown not out 32
Extras (b 7, lb 3, w 3, nb 16) 29
Total (102.5 overs) 288

FALL OF WICKETS: 1-43, 2-50, 3-54, 4-67, 5-116, 6-199, 7-219, 8-227, 9-238.

BOWLING: Cousins 14-2-41-1; Waugh 22.5-5-65-3; Irani 25-6-66-2; Derbyshire 5-1-20-1; Childs 22-8-32-2; Gooch 4-1-17-0; Such 10-4-17-1.

Bonus points: Essex 8, Durham 6.

Umpires: A A Jones and K J Lyons.

Kent v Gloucestershire

CANTERBURY (third day of four): Kent, with nine second-innings wickets in hand, require 378 runs to beat Gloucestershire

GLOUCESTERSHIRE: First Innings 321 (M A Lynch 108, A Symonds 52; D W Headley 5 for 68, M J McCague 5 for 68).

Second Innings

A J Wright b Headley 5
G D Hodgson c Patel b McCague 4
M A Lynch lbw b Patel 114
A Symonds c Patel b Ealham 19
R I Dawson lbw b Fleming 58
M W Alleyne b Ealham 20
*†R C Russell c and b Patel 34
J Srinath b Ealham 0
M C J Ball not out 5
Extras (lb 3, w 2, nb 2) 7
Total (8 wkts dec) 266

FALL OF WICKETS: 1-8, 2-11, 3-147, 4-205, 5-205, 6-228, 7-228, 8-266.

BOWLING: McCague 8-3-26-1; Headley 10-2-26-1; Ealham 12-2-45-3; Patel 26-7-71-2; Herzberg 7-1-56-0; Fleming 9-0-39-1.

KENT: First Innings

T R Ward lbw b Srinath 6
*M R Benson c Russell b Smith 0
M M Patel c Russell b Alleyne 26
M A Ealham c Russell b Srinath 33
P A de Silva lbw b Smith 3
G R Cowdrey lbw b Smith 2
M J McCague c Russell b Smith 4
M V Fleming not out 36
†S A Marsh c and b Srinath 8
S Herzberg lbw b Smith 0
D W Headley c Russell b Smith 0
Extras (b 1, lb 6, nb 12) 19
Total (57 overs) 137

FALL OF WICKETS: 1-8, 2-14, 3-69, 4-72, 5-84, 6-90, 7-90, 8-136, 9-137.

BOWLING: Srinath 19-9-35-3; Smith 26-11-66-6; Alleyne 10-2-25-1; Ball 1-1-0-0; Davies 1-0-4-0.

Second Innings

T R Ward lbw b Smith 17
*M R Benson not out 24
M A Ealham not out 27
Extras (w 1, nb 4) 5
Total (1 wkt) 73

FALL OF WICKET: 1-26.

BOWLING: Srinath 7-1-32-0; Smith 7-2-13-1; Ball 6-3-7-0; Davies 5-1-21-0.

Bonus points: Kent 4, Gloucestershire 7.

Umpires: B Leadbeater and K E Palmer.

Lancashire v Glamorgan

OLD TRAFFORD (third day of four): Lancashire, with nine second-innings wickets in hand, are 82 runs ahead of Glamorgan

LANCASHIRE: First Innings 417 (J P Crawley 182, G D Lloyd 50).

Second Innings

J E R Gallian not out 64
N J Speak lbw b Croft 26
J P Crawley not out 49
Extras (lb 1) 1
Total (1 wkt) 140

FALL OF WICKET: 1-65.

BOWLING: Watkin 10.3-5-20-0; Anthony 15-5-36-0; Barwick 8-1-24-0; Croft 20-1-59-1.

GLAMORGAN: First Innings

A Dale retired hurt 31
*H Morris c Crawley b Keedy 67
D L Hemp c Hegg b Wasim 11
M P Maynard c Crawley b Austin 138
P A Cottey c Hegg b Wasim 124
R D B Croft c and b Watkinson 32
H A G Anthony lbw b Wasim 0
N M Kendrick b Watkinson 20
†C P Metson c Hegg b Wasim 19
S L Watkin not out 15
S R Barwick b Watkinson 1
Extras (b 4, lb 3, nb 10) 17
Total (133.1 overs) 475

Score at 120 overs: 435-5.

FALL OF WICKETS: 1-82, 2-140, 3-377, 4-381, 5-383, 6-435, 7-442, 8-462, 9-475.

BOWLING: Wasim Akram 25-8-77-4; Chapple 18-3-85-0; Austin 26-3-81-1; Watkinson 31.1-7-103-3; Keedy 28-6-106-1; Gallian 5-1-18-0.

Bonus points: Lancashire 6, Glamorgan 8.

Umpires: B Dudleston and J C Balderstone.

Nottinghamshire v Worcestershire

TRENT BRIDGE (third day of four): Nottinghamshire, with seven second-innings wickets in hand, are 141 runs ahead of Worcestershire

NOTTINGHAMSHIRE: First Innings 301 (P Johnson 98, W M Noon 59; P J Newport 4 for 61).

Second Innings

M P Dowman c Moody b Haynes 7
*R T Robinson c Rhodes b Lampitt ... 51
G F Archer b Newport 61
P Johnson not out 62
C L Cairns not out 9
Extras (lb 2, nb 8) 10
Total (3 wkts) 200

FALL OF WICKETS: 1-21, 2-87, 3-188.

BOWLING: Newport 12-4-38-1; D'Oliveira 18-0-66-0; Haynes 6-1-15-1; Radford 9-1-40-0; Lampitt 11-4-32-1; Weston 1-0-7-0.

WORCESTERSHIRE: First Innings

*T S Curtis lbw b Pick 0
W P C Weston c Noon b Hindson ... 105
M J Church lbw b Hindson 25
T M Moody c Robinson b Evans 157
N V Radford c Johnson b Evans 1
G R Haynes c Dowman b Pick 7
†S J Rhodes c Archer b Afford 22
S R Lampitt c Cairns b Hindson 15
D B D'Oliveira b Afford 0
P J Newport c Dowman b Afford 1
D A Leatherdale not out 5
Extras (b 4, lb 13, w 1, nb 4) 22
Total (135.1 overs) 360

Score at 120 overs: 334-6.

FALL OF WICKETS: 1-5, 2-48, 3-275, 4-279, 5-294, 6-318, 7-352, 8-352, 9-354.

BOWLING: Pick 18-4-60-2; Evans 19-7-61-2; Hindson 35.1-9-85-3; Field-Buss 28-7-68-0; Afford 35-8-71-3.

Bonus points: Nottinghamshire 5, Worcestershire 7.

Umpires: R A White and A G T Whitehead.

Surrey v Somerset

THE OVAL (third day of four): Surrey, with one second-innings wicket in hand, are 380 runs ahead of Somerset

SURREY: First Innings 221 (J D Ratcliffe 70; Mushtaq Ahmed 5 for 54).

Second Innings

J D Ratcliffe lbw b Kerr 48
M A Butcher c Kerr b Ecclestone 102
N Shahid c Hayhurst b Mushtaq 17
A J Hollioake lbw b Trump 0
A D Brown b Mushtaq 31
D M Ward st Turner b Trump 51
A W Smith c and b Kerr 88
†G J Kersey lbw b Rose 18
M P Bicknell c Mushtaq b Hayhurst ... 31
*A C S Pigott not out 19
C G Rackemann not out 1
Extras (b 5, lb 11, nb 8) 24
Total (9 wkts) 419

FALL OF WICKETS: 1-111, 2-162, 3-163, 4-169, 5-218, 6-286, 7-320, 8-404, 9-410.

BOWLING: Rose 24-4-101-1; Kerr 16-4-64-2; Mushtaq Ahmed 42-7-140-2; Trump 39-21-67-2; Ecclestone 3-1-12-1; Hayhurst 4-0-19-1.

SOMERSET: First Innings 260 (R J Harden 90; M P Bicknell 5 for 61).

Bonus points: Surrey 5, Somerset 8.

Umpires: J W Holder and T E Jesty.

Warwickshire v Sussex

EDGBASTON (third day of four): Warwickshire, with nine second-innings wickets in hand, are 41 runs ahead of Sussex

WARWICKSHIRE: First Innings 248 (A J Moles 66, T L Penney 51; E S H Giddins 4 for 59).

Second Innings

A J Moles c Jarvis b Stephenson 0
N V Knight not out 74
R G Twose not out 68
Extras (b 4, lb 1, w 1, nb 6) 12
Total (1 wkt) 154

FALL OF WICKET: 1-0.

BOWLING: Stephenson 13-3-33-1; Lewry 9-2-48-0; Jarvis 13-4-26-0; Giddins 12-4-34-0; Salisbury 5-1-10-0.

SUSSEX: First Innings

N J Lenham lbw b Donald 13
J W Hall c Moles b Brown 42
P W Jarvis c Knight b Munton 20
K Newell c Ostler b Munton 39
*A P Wells c sub b Donald 49
K Greenfield c Smith b Donald 84
†P Moores c Piper b Munton 56
F D Stephenson c Smith b Donald 12
I D K Salisbury c Moles b Brown 10
J D Lewry not out 1
E S H Giddins c Knight b Brown 0
Extras (b 2, lb 15, nb 18) 35
Total (117.5 overs) 361

FALL OF WICKETS: 1-26, 2-63, 3-109, 4-154, 5-195, 6-300, 7-313, 8-350, 9-360.

BOWLING: Donald 29-3-112-4; Small 18-0-74-0; Munton 28-7-59-3; Brown 21.5-6-55-3; Smith 7-4-15-0; Twose 14-5-29-0.

Bonus points: Warwickshire 5, Sussex 8.

Umpires: J D Bond and R Palmer.

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Conditions conspire to hinder Lancashire

BY JACK BAILEY

OLD TRAFFORD (third day of four): Lancashire, with nine second-innings wickets in hand, are 82 runs ahead of Glamorgan

NOT since 1934 have Lancashire stood alone at the head of the county championship. They have accomplished much since then in other competitions, but the feeling around Old Trafford this season is that the title is again well within their compass.

They certainly have the players, and the spirit is good if the trend in the match against Glamorgan is any guide, though Lancashire will have their work cut out to achieve too many outright wins without contrivance on their main ground.

This morning, Lancashire will begin the last day 82 runs ahead, with Jason Gallian and John Crawley in full flow and a second century in the match well within the latter's sights. Yet, just as much as the ability of these two to push the score along and set Glamorgan a task to tempt them, or the considerable bowling ability of Wasim Akram, Mike Watkinson and company, the key lies in the nature of the pitch, which was properly prepared but which lacked real pace at the start and appears to have become progressively slower.

The ball has turned, but there has been no bounce — no margin of error for the spinners. By way of illustration, throughout much of Saturday, Croft bowled at the leg stump with a well-spread field favouring the on side by six men to three.

Interruptions for bad light and rain were no help to a positive result. Glamorgan were frustrated in their attempts to gain a substantial lead mainly by Wasim and Watkinson, who shared seven wickets. They lost seven wickets for 137 runs before the unbroken partnership of 75 between Gallian and Crawley followed the undoing of Speak from a reverse sweep born of frustration.

THE TIMES MONDAY JUNE 12 1995

Bowling treated with disdain as West Indies romp to victory at Leeds

England submit in familiar fashion

By Alan Lee, Cricket Correspondent

HEADINGLEY (fourth day of five): West Indies beat England by nine wickets

SO IT has happened again. Alert to the point of preoccupation to their self-destructive habit of giving the opposition a start, England still contrived to lose the opening Test of a series for the sixth time in seven attempts. The dismay is greater today, not only for the time and tactics devoted to guarding against the eventuality, but because four slate-grey days in Leeds have restored the precious self-belief that West Indies had temporarily mislaid.

West Indies won this opening Cornhill Test by an insulting margin and in disdainfully quick time. But for the poor weather, it might have been over inside three days. England lost partly through ill-conceived selections and half-baked strategies which confused the positive with the reckless. But mostly, they lost it for the familiar reason that their cricket declines submissively at crucial phases, redolent of a team that has grown intimate with defeat.

Essentially, this Test took its course from the events of Friday morning, when it was difficult to judge whether England's batting or bowling was the more awful. The West Indians, who had come into the match without form or confidence, fed hungrily on the gifted wickets and runs and suddenly remembered what it was to dominate. From Friday lunchtime, one sensed that the freshness of this summer, the air of change and anticipation, had been lost.

It is never easy to chase a game against the West Indies, particularly in the conditions that pertained throughout this game. This was not a roguish pitch but neither was it one on which batsmen could feel comfortable. Runs were at a premium. West Indies failed to total 300 for the seventh successive Test innings but their first-innings lead of 83 looked substantial and became overwhelming once England had lost four wickets wiping out the deficit.

In the second innings, as in the first, only two of the specialist batsmen were not party to their own dismissal. Five wickets fell to the cut shot as the admirable desire to avoid subservience spilled over into careless aggression. "The intent was the right one," said the captain, Michael Atherton, "but the execution was poor at times." He could say that again.

Whether Robin Smith survives for a second game as makeshift opener must be problematical after two stiff, nervy shots. Whether Alec Stewart is being wasted in the middle-order will remain a prominent issue after his perverse, unbalanced slash against a ball that all his opening instincts would have told him to ignore. And Graeme Hick can expect no respite from his regular diet of short balls after fatally trying to fetch one that was too high and too wide of off-stump.

Atherton is exempt from criticism and so, on his defiant second innings, is Graham Thorpe. Lucky though he was, on Saturday, to drag a ball into his stumps without disturbing a bail and then to be dropped by Arthurton at cover, he batted quite brilliantly for more than an hour yesterday, defending when demanded and correctly identifying the balls to pull and drive.

These were not in plentiful supply, for Courtney Walsh, having missed out in the first innings, was embarked on one of those prolonged spells on which he thrives. "He's incredible," marvelled his captain, Richie Richardson. "I can't understand how anyone can bowl so many overs and not get tired." But these were Walsh's conditions, the ball moving sideways off the seam and bouncing in untrustworthy fashion. He would not easily relinquish the ball, certainly not once he had bowled Mark Ramprakash with a beauty that pitched on, and hit, off-stump.

Walsh bowled 11 overs, spanning lunch, and his figures were three for 27. DeFreitas, who might have been out second ball if Adams had clutched a technical chance at short-leg, managed only one before being caught at mid-on off a leading edge. Then, three overs into the afternoon, Thorpe's bat was crooked as he went back to a ball that darted wickedly away off the pitch, taking a thick edge to point. He had batted for 160 minutes and, considering his sketchy form this season, it had been a worthy innings if, in the context of the match, an inadequate one.

West Indies were without Kenny Benjamin, off the field nursing a side strain, and with only three fast bowlers to employ, the last thing worrying Richardson was his overrate. It was, however, dilatory throughout the game and John Reid, the referee, imposed a fine of 30 per cent of the players' match fees for a shortfall of six overs. England thereby ended the game richer in one sense, though decidedly not in the one they would have chosen.

Although Darren Gough and Peter Martin struck out effectively, to the noisy delight of the western terrace, their eighth-wicket stand of 41 was about the peak of English achievement throughout this match. Partnerships are what win Test matches and England's best was worth only 52 as, in each innings, they were dismissed in little more than the equivalent of two sessions.

West Indies' pursuit of 126 began with a stumble, Atherton taking off to his right at third slip to catch Campbell off Martin, but DeFreitas's length was woeful, Illingworth's flight was derided and Carl Hooper and Brian Lara required only 16 overs to make 118 and end the game.

MARC ASPLAND

Malcolm, the England No 11, turns to inspect the wreckage after being comprehensively yorked by Ambrose

HEADINGLEY SCOREBOARD

ENGLAND: First Innings
R A Smith c Richardson b Benjamin 18 (69min, 48 balls, 1 four)
*M A Atherton c Murray b Bishop 81 (214min, 145 balls, 8fours)
G A Hick c Campbell b Benjamin 18 (35min, 24 balls, 4 fours)
G P Thorpe lbw b Bishop 20 (101min, 68 balls, 3 fours)
†A J Stewart c Hooper b Bishop 2 (30min, 17 balls)
M R Ramprakash c Campbell b Bishop 4 (12min, 10 balls)
P A J DeFreitas c Murray b Benjamin 23 (57min, 27 balls, 4 fours)
D Gough c Ambrose b Bishop 0 (1min, 1 ball)
P J Martin c Murray b Ambrose 2 (6min, 5 balls)
R K Illingworth not out 17 (42min, 28 balls, 1 four)
D E Malcolm b Benjamin 0 (3min, 4 balls)
Extras (b 1, nb 15) 16
Total (59.5 overs, 289min) 199
FALL OF WICKETS: 1-52, 2-91, 3-142, 4-146, 5-153, 6-154, 7-154, 8-157, 9-199.
BOWLING: Ambrose 17-4-56-1 (nb 8); Walsh 13-2-50-0 (nb 2); Bishop 16-2-32-5 (nb 2); Benjamin 13.5-2-60-4 (nb 6).

Second Innings
R A Smith c Arthurton b Ambrose 6 (10min, 10 balls, 1 four)
*M A Atherton c Murray b Walsh 17 (67min, 42 balls, 3 fours)
G A Hick c Walsh b Bishop 27 (61min, 47 balls, 5 fours)
G P Thorpe c Campbell b Walsh 61 (160min, 119 balls, 8 fours)
†A J Stewart c Murray b Benjamin 4 (38min, 11 balls, 1 four)
M R Ramprakash b Walsh 18 (88min, 55 balls, 2 fours)
P A J DeFreitas c sub b Walsh 1 (8min, 5 balls)
D Gough c sub b Ambrose 29 (73min, 50 balls, 3 fours)
P J Martin c Lara b Bishop 19 (58min, 39 balls, 1 six, 1 four)
R K Illingworth not out 10 (26min, 27 balls, 1 four)
D E Malcolm b Ambrose 5 (23min, 7 balls, 1 four)
Extras (b 1, lb 3, nb 7) 11
Total (67.2 overs, 311min) 208
FALL OF WICKETS: 1-6, 2-55, 3-55, 4-82, 5-130, 6-138, 7-152, 8-193, 9-193.
BOWLING: Ambrose 20.2-5-44-3 (nb 2); Walsh 22-4-60-4 (nb 4), Bishop 19-3-81-2 (nb 2); Benjamin 6-1-19-1.

WEST INDIES: First Innings
C L Hooper c Thorpe b Malcolm 0 (0min, 1 ball)
S L Campbell run out 69 (132min, 101 balls, 9 fours)
B C Lara c Hick b Illingworth 53 (71min, 55 balls, 10 fours)
J C Adams c Martin b Hick 58 (155min, 109 balls, 10 fours)
K L T Arthurton c Stewart b DeFreitas 42 (198min, 153 balls, 6 fours)
*R B Richardson lbw b Martin 0 (13min, 7 balls)
†J R Murray c Illingworth b DeFreitas 20 (61min, 53 balls, 2 fours)
I R Bishop run out 5 (33min, 19 balls, 1 four)
C E L Ambrose c Gough b Malcolm 15 (43min, 31 balls, 1 four)
C A Walsh c Stewart b Gough 4 (27min, 13 balls, 1 four)
K C G Benjamin not out 0 (14min, 5 balls)
Extras (b 4, lb 11, nb 1) 16
Total (90.3 overs, 380min) 282
FALL OF WICKETS: 1-0, 2-95, 3-141, 4-216, 5-219, 6-243, 7-254, 8-254, 9-275.
BOWLING: Malcolm 7.3-0-48-2, Gough 5-1-24-1; DeFreitas 23-3-82-2 (nb 2); Martin 27-9-48-1, Illingworth 24-9-50-1; Hick 4-0-15-1.

Second Innings
C L Hooper not out 73 (83min, 72 balls, 4 sixes, 9 fours)
S L Campbell c Atherton b Martin 2 (9min, 5 balls)
B C Lara not out 48 (73min, 40 balls, 8 fours)
Extras (b 1, lb 3, nb 2) 6
Total (1 wkt, 19 overs, 83min) 129
FALL OF WICKET: 1-11
BOWLING: Martin 8-2-49-1, DeFreitas 4-0-33-0 (nb 2), Illingworth 3-0-31-0; Malcolm 4-0-12-0
Umpires: H D Bird and S Venkataraghavan.
TV replay umpire: P Willey. Match referee: J R Reid (New Zealand).
Match award: I R Bishop

Compiled by Bill Frindall

Atherton reckons attack was right

By Michael Henderson

WEST INDIES went to Headingley as lambs and left if not as lions, then growling more than they were last week. This was a Test match England knew they had to win. They lost, and must now confront opponents renewed in spirit and purpose.

The last thing they could afford to do was nurse West Indies back towards full health, which is what their indifferent batting in both innings did. To nobody's great surprise Smith failed abysmally. Hick, Ramprakash and the messed-about Stewart also failed twice: Hick quite lamentably.

Michael Atherton, who thought a target of 250 would have stretched West Indies, felt England were right to take on their fast bowlers. "You have to try to impose yourself on them. The idea was right even if the execution was not".

Neither the captain nor the manager thought there would be many changes for the second Test at Lord's, which begins next Thursday. "You try to be consistent with the players, to give them every opportunity", said Raymond Illingworth. "They are down now but we are looking forward. So far this season the spirit has been very good.

"We have players who can do better than that. We do not want to swap and change a lot, although there is always the chance that there will be the odd change. I want to play five bowlers, and Michael is happy with that because it gives him more options. Goughy did his back after his second ball. If we had picked only four bowlers what would we have done?"

Nevertheless the selectors will give every consideration to restoring Stewart to the opener's position. Illingworth's assertion that Stewart was "quite happy to do what he is doing" is self-evidently flimsy.

There was a lot of nonsense laid before Richardson after the match about the "so-called experts" having written off West Indies. That is not the case at all. Experts and non-experts alike merely said they were there to be beaten. They still are.

Captain's lead eludes colleagues

JOHN WOODCOCK

Test Match Commentary

To the cricketers of West Indies, more perhaps than to any others, confidence is vital. Without it, they are confused, even disorientated. When it returns, it spells trouble for their opponents, which gives ominous significance to England's disheartening defeat in the first Test match.

The way to beat West Indies is to confront them with an imposing total, however long it may take to compile. Yet England batted at Headingley as though the concentration that this inevitably requires is quite beyond them. This was hardest of all on Michael Atherton. Time after time, England's young captain finds cricketers of greater natural talent than his own failing to follow his lead.

In *The Sunday Times* recently, Peter Roebuck likened Atherton to Geoffrey Boycott; he even rated him as a marginally more gifted batsman. While not necessarily agreeing with this verdict, I like the comparison, not least because it highlights the part that determination plays at this level of the game. More than anything on this earth, Boycott hated getting out; Atherton hates it, too, even if, with him, it is not quite like falling into some bottomless pit.

Boycott was meticulous; so is Atherton. Like Boycott, Atherton is calculating, clinical and confident in his own fitness to be where he is — going in first for England. I have never seen anyone who watched the ball onto the bat more closely. All these things have quite as much to do with character and temperament as with ability.

England's batsmen would have gone into this match, every one of them, vowing not to get themselves out through negligence. Yet most of them did. Test cricket is more about building an innings, about judgment, than it is about cutting and driving and smashing in the way that Lara did last Friday. That was not Test cricket which he played, it was spectacular self-indulgence. Don Bradman and Everton Weekes and Denis Compton and Walter Hammond never came in at nought for one and played an innings like this one by Lara.

It seems such a waste, too, to have got rid of Hooper and Richardson, both for nought, in West Indies' first innings, yet still to have been as good as beaten after two full days' play. There will be much debate concerning Hooper and Smith in their unaccustomed roles as opening batsmen. Hooper's case is different from Smith's in that he has been going in first with some success since the start of the tour. With Haynes out of commission and no experienced opener in the West Indies party, it provides Hooper with the sort of challenge that his career needs and that he can comfortably cope with, as he showed yesterday.

Smith, however, last went in first in a first-class match 15 months ago — against a President's XI in Georgetown, when he was captain. He quite likes it, I think, not least, perhaps, because he frets while waiting to bat. He is also a good team man, always ready to come to the aid of the party; but in each England innings in this first Test, Stewart could have gone in with Atherton, which he enjoys, without causing any disruption. Each time, Stewart was fresh, and he is beginning to get a hang-up about batting at No 5.

Obviously, a settled order is best, but there is no need to be intractable about such things. The game has become stereotyped enough anyway, and Smith would be entitled to take it as a compliment that he is considered sufficiently versatile to be used as a joker in the pack, going in first one day and third or fourth the next.

With such a good record against stronger West Indian attacks than this one, he was the right pick for Headingley, as he will be for the second Test, at Lord's next week. It would be in England's interests, though, if on Thursday he were to be given the chance to open for Hampshire at Bristol, just to get into the tempo of the job. With Javagal Srinath taking the new ball for Gloucestershire, he would be assured of some worthwhile practice, too.

Narrow win underlines Glamorgan's title credentials

By Our Sports Staff

Yates: four wickets

IT WAS, ideally, too early in the season for Lancashire and Glamorgan to play each other, as they did at Old Trafford yesterday. Each of the two counties, who contested the leadership of the AXA Equity & Law League at the start of play, is, in its own way, accustomed to climactic events in one day cricket that are not enacted on the same day as the culmination to a Test match.

On a day when there was no shortage of televised sport to keep likely spectators at home, between 4,000 and 6,000 journeyed to Old Trafford. If this has something to do with a feeling for the limited-overs game that has been apparent there since the 1970s, it naturally also has much to do with Lancashire's present form. And there was a finish worthy of the occasion. Glamorgan — the county that won this competition two years ago on the last day of the season — winning by nine runs to go top.

A last-wicket partnership in their innings of 162 was to prove crucial. Barwick and Watkin put on 21 and, although Wasim Akram bowled particularly well and Yates took four wickets for 40 with his off-spin, this relatively lowly total proved sufficient. Crawley, Gallian and Speak all went early in Lancashire's innings and Fairbrother was run out. In spite of useful contributions from Watkinson and Hegg, who was left unbeaten, there was not enough support from the tail. Watkin and Barwick, what was more, had important spells.

At Edgbaston, Knight, who was capped after just four championship matches, had to be taken to hospital after a nasty collision with Penney, his Warwickshire colleague. The former Essex batsman lay prostrate on the outfield for nearly ten minutes. Penney it was who took the catch, dismissing Salisbury, the Sussex leg-spinner, but that, in the circumstances, was of scant importance.

At Canterbury, a typical innings by Fleming — a half century off 39 balls with two sixes and five fours — enabled Kent to defeat Gloucestershire by five wickets. He and Benson made 81 off 12 overs and, in spite of Srinath taking three wickets, victory was as assured as it ever can be in this form of the game. Gloucestershire, put in to bat, struggled to 80 for six off 25 overs before Williams, in his first match of the season, struck an enterprising unbeaten 33.

Nicholas, the Hampshire captain, brought about his side's first victory in this competition this season with an unbeaten 42 in the gloaming at Basingstoke. After two interruptions for rain lasting more than an hour, Hampshire were left requiring 123 to win. With the captain striking five fours in addition to a six off Parsons, they managed this on a faster scoring rate with seven balls to spare. Leicestershire mustered 204 for nine from their 40 overs.

Remarkably, two matches finished with the scores level: Derbyshire, with the inexperienced ninth-wicket pair of Harris and Aldred at the wicket, were unable to pass Northamptonshire's total of 200 for six; and Essex, playing Durham at Chelmsford in a game reduced to 26 overs apiece, had Andrew run out off the last ball going for the winning run.

CRICKET SCOREBOARDS

Axa Equity & Law League

Derbyshire v Northamptonshire

DERBY (Derbyshire won toss): Derbyshire (2pts) finished level with Northamptonshire (2)

NORTHAMPTONSHIRE
M B Loye c Krikken b Harris 34
D J Capel b Warner 18
K M Curran c Krikken b Warner 60
T C Walton b Harris 4
*R J Bailey c Harris b Warner 58
D J Sales lbw b Cork 5
†R J Warren not out 4
A L Penberthy not out 3
Extras (lb 9, w 5) 14
Total (6 wkts, 40 overs) 200
A Kumble, N A Mallender and J P Taylor did not bat.
FALL OF WICKETS 1-33, 2-75, 3-81, 4-177, 5-186, 6-194
BOWLING. Warner 8-1-38-3, Cork 8-0-50-1, Wells 8-1-29-0, Harris 7-0-28-2; Griffith 4-0-16-0; Aldred 5-0-30-0

DERBYSHIRE
*K J Barnett c Warren b Mallender 9
D G Cork c Warren b Mallender 23
D J Cullinan b Penberthy 20
C M Wells b Kumble 73
A S Rollins c Warren b Capel 26
W A Dessaur c Capel b Kumble 5
†K M Krikken run out 1
F A Griffith c and b Kumble 0
A E Warner b Capel 5
P Aldred not out 11
A J Harris not out 1
Extras (b 2, lb 11, w 13) 26
Total (9 wkts, 40 overs) 200
FALL OF WICKETS: 1-30, 2-39, 3-65, 4-161, 5-175, 6-179, 7-179, 8-184, 9-186.
BOWLING Taylor 8-0-43-0, Mallender 8-1-21-2; Penberthy 8-1-32-1; Capel 8-0-55-2, Kumble 7-1-25-3; Walton 1-0-11-0
Umpires. J H Harris and M J Kitchen

Essex v Durham

CHELMSFORD (Essex won toss): Essex (2pts) finished level with Durham (2)

DURHAM
*J E Morris c Hussain b Waugh 37
W Larkins retired hurt 2
M Prabhakar c Waugh b Andrew 6
J I Longley lbw b Irani 0
D A Blenkiron b Waugh 19
S Hutton c Robinson b Cousins 18
S D Birbeck b Waugh 6
†D G C Ligerwood not out 7
S J E Brown not out 4
Extras (b 1, lb 6, w 10) 17
Total (6 wkts, 26 overs) 116
J Boiling and A Walker did not bat.
FALL OF WICKETS 1-29, 2-30, 3-69, 4-90, 5-94, 6-105
BOWLING: Andrew 8-0-23-1, Cousins 8-1-31-1, Irani 5-0-35-1; Waugh 5-0-20-3

ESSEX
*P J Prichard c Morris b Brown 0
M E Waugh b Prabhakar 19
N Hussain b Brown 1
G A Gooch c Prabhakar b Birbeck 13
R C Irani c Morris b Walker 18
D D J Robinson c Ligerwood b Brown 16
J J B Lewis run out 18
†R J Rollins lbw b Prabhakar 7
P M Such b Prabhakar 1
S J W Andrew run out 7
D M Cousins not out 4
Extras (lb 7, w 5) 12
Total (26 overs) 116
FALL OF WICKETS 1-6, 2-11, 3-39, 4-45, 5-76, 6-76, 7-95, 8-97, 9-105.
BOWLING: Brown 8-0-32-3; Prabhakar 8-0-30-3, Birbeck 4-0-14-1; Walker 6-0-33-1
Umpires: A A Jones and K J Lyons.

Hampshire v Leicestershire

BASINGSTOKE (Hampshire won toss): Hampshire (4pts) beat Leicestershire by a higher run rate

LEICESTERSHIRE
V J Wells c White b Streak 30
*N E Briers c Terry b James 1
W J Cronje c James b Maru 26
J J Whitaker c Morris b Stephenson 37
B F Smith c Aymes b James 32
†P A Nixon c Bovill b James 13
D L Maddy c sub b Streak 6
J M Dakin not out 27
G J Parsons c White b Bovill 12
A R K Pierson b Streak 6
Extras (lb 7, w 7) 14
Total (9 wkts, 40 overs) 204
A D Mullally did not bat.
FALL OF WICKETS 1-5, 2-51, 3-76, 4-123, 5-146, 6-153, 7-157, 8-195, 9-204.
BOWLING Bovill 6-0-36-1; James 8-0-32-3, Streak 7-0-48-3; Udal 8-0-31-0; Maru 8-0-31-1, Stephenson 3-0-19-1.

HAMPSHIRE
J P Stephenson c Maddy b Cronje 9
R S M Morris c Wells b Cronje 38
*M C J Nicholas not out 42
V P Terry c Dakin b Cronje 17
G W White not out 11
Extras (lb 3, w 8) 11
Total (3 wkts, 22.5 overs) 123
K D James, †A N Aymes, S D Udal, H H Streak, R J Maru and J N B Bovill did not bat.
FALL OF WICKETS. 1-46, 2-57, 3-105.
BOWLING. Mullally 7.5-0-42-0, Parsons 8-0-41-0, Cronje 7-0-37-3
Umpires D R Shepherd and P B Wight.

Kent v Gloucestershire

CANTERBURY (Kent won toss) Kent (4pts) beat Gloucestershire by five wickets

GLOUCESTERSHIRE
M A Lynch c Llong b Wren 0
A J Wright lbw b Wren 9
A Symonds c Marsh b Headley 16
R I Dawson b Headley 2
M W Alleyne c Marsh b McCague 16
*†R C Russell b McCague 18
J Smith retired hurt 1
R C Williams not out 33
M C J Ball c Marsh b Fleming 7
D J P Boden b Fleming 5
A M Smith not out 6
Extras (lb 8, w 13, nb 2) 23
Total (8 wkts, 37 overs) 136
FALL OF WICKETS: 1-0, 2-27, 3-29, 4-37, 5-68, 6-80, 7-110, 8-122
BOWLING Wren 8-0-26-2; Headley 8-0-33-2, Ealham 6-0-15-0; McCague 8-0-22-2, Fleming 7-0-32-2.

KENT
T R Ward c Russell b Srinath 13
*M R Benson c and b Srinath 36
M V Fleming c Russell b Alleyne 55
P A de Silva c Russell b Smith 0
G R Cowdrey b Alleyne 9
N J Llong not out 5
M A Ealham not out 4
Extras (lb 4, w 4, nb 10) 18
Total (5 wkts, 27.1 overs) 140
T N Wren, †S A Marsh, M J McCague and D W Headley did not bat
FALL OF WICKETS 1-28, 2-109, 3-109, 4-127, 5-136
BOWLING Srinath 8-2-27-3, Smith 8-0-38-0, Williams 3-0-29-0; Boden 5.1-1-36-0; Alleyne 3-2-6-2.
Umpires: B Leadbeater and K E Palmer.

Lancashire v Glamorgan

OLD TRAFFORD (Glamorgan won toss) Glamorgan (4pts) beat Lancashire by nine runs

GLAMORGAN
S P James b Yates 29
*H Morris c Hegg b Yates 19
M P Maynard c and b Austin 5
P A Cottey c Wasim b Yates 35
D L Hemp run out 6
R D B Croft c Gallian b Wasim 27
H A G Anthony b Yates 1
†C P Metson b Chapple 2
R P Lefebvre run out 8
S L Watkin not out 13
S R Barwick c Watkinson b Chapple 9
Extras (lb 6, w 2) 8
Total (39.2 overs) 162
FALL OF WICKETS: 1-47, 2-54, 3-56, 4-79, 5-114, 6-119, 7-122, 8-133, 9-141.
BOWLING Chapple 7.2-0-34-2; Wasim Akram 8-2-27-1; Austin 8-0-27-1; Yates 8-0-40-4; Watkinson 8-1-28-0.

LANCASHIRE
J E R Gallian c and b Watkin 10
N J Speak b Barwick 19
J P Crawley b Lefebvre 0
N H Fairbrother run out 16
G D Lloyd b Croft 11
*M Watkinson c and b Cottey 22
Wasim Akram c Metson b Anthony 15
I D Austin c Metson b Watkin 8
†W K Hegg not out 27
G Yates c Maynard b Watkin 7
G Chapple c Hemp b Barwick 8
Extras (lb 5, w 5) 10
Total (39.1 overs) 153
FALL OF WICKETS 1-19, 2-20, 3-36, 4-53, 5-58, 6-97, 7-103, 8-118, 9-129
BOWLING Lefebvre 8-1-31-1; Watkin 8-0-28-3, Barwick 7.1-1-16-2, Croft 8-0-31-1; Anthony 6-0-34-1, Cottey 2-0-8-1.
Umpires: J C Balderstone and B Dudleston.

Nottinghamshire v Worcestershire

TRENT BRIDGE (Worcestershire won toss): Nottinghamshire (4pts) beat Worcestershire by 61 runs

NOTTINGHAMSHIRE
*R T Robinson c Rhodes b Radford 82
J R Wileman c Rhodes b Haynes 14
P Johnson b Lampitt 47
C L Cairns c Church b Lampitt 13
G F Archer c Rhodes b Lampitt 4
†W M Noon not out 17
K P Evans not out 26
Extras (lb 6, w 3, nb 4) 13
Total (5 wkts, 38 overs) 216
G W Mike, J E Hindson, R A Pick and D B Pennett did not bat.
FALL OF WICKETS. 1-38, 2-105, 3-123, 4-132, 5-177
BOWLING: Newport 8-0-39-0, Haynes 8-0-33-1; Radford 8-1-40-1; Parvaz Mirza 6-0-49-0, Lampitt 8-0-49-3.

WORCESTERSHIRE
*T S Curtis lbw b Hindson 54
M J Church b Pennett 0
T M Moody c Hindson b Pennett 6
G R Haynes c Archer b Pennett 6
V S Solanki c Cairns b Hindson 12
W P C Weston c Noon b Mike 27
†S J Rhodes c Wileman b Mike 2
S R Lampitt c and b Evans 11
N V Radford run out 0
P J Newport run out 0
Parvaz Mirza not out 2
Extras (lb 8, w 20, nb 5) 33
Total (32.2 overs) 155
FALL OF WICKETS. 1-6, 2-24, 3-40, 4-67, 5-125, 6-130, 7-150, 8-151, 9-151
BOWLING: Pennett 6-0-27-3; Pick 6-0-26-0, Mike 8-0-32-2; Evans 4.2-0-18-1, Hindson 7-0-32-2, Wileman 1-0-12-0
Umpires R A White and A G T Whitehead.

Warwickshire v Sussex

EDGBASTON (Sussex won toss). Warwickshire (4pts) beat Sussex by 14 runs

WARWICKSHIRE
N V Knight run out 59
N M K Smith c Hall b Stephenson 0
D P Ostler lbw b Stephenson 3
P A Smith run out 85
R G Twose lbw b Stephenson 1
A J Moles c North b Stephenson 4
T L Penney b Stephenson 0
D R Brown not out 12
†K J Piper c Lenham b Giddins 0
A A Donald not out 4
Extras (lb 4, w 6, nb 2) 12
Total (8 wkts, 34 overs) 180
*T A Munton did not bat
FALL OF WICKETS: 1-0, 2-10, 3-139, 4-143, 5-156, 6-156, 7-166, 8-166.
BOWLING: Lewry 8-3-15-0; Stephenson 8-0-38-5; Giddins 8-0-50-1; Jarvis 5-0-45-0; Salisbury 3-0-11-0; Greenfield 2-0-17-0

SUSSEX
K Greenfield c Piper b P A Smith 43
J W Hall b P A Smith 40
F D Stephenson c Piper b P A Smith 1
*A P Wells b N M K Smith 31
N J Lenham b N M K Smith 19
J A North c Munton b P A Smith 1
†P Moores b N M K Smith 4
I D K Salisbury c Penney b N M K Smith 6
P W Jarvis not out 7
J Lewry b N M K Smith 4
E S H Giddins b N M K Smith 0
Extras (b 1, lb 5, w 2, nb 2) 10
Total (32.3 overs) 166
FALL OF WICKETS: 1-83, 2-85, 3-93, 4-124, 5-125, 6-134, 7-154, 8-154, 9-166.
BOWLING: Donald 7-1-24-0, Munton 7-0-36-0, Brown 4-0-28-0; P A Smith 8-1-39-4; N M K Smith 6 3-0-33-6.
Umpires: J D Bond and R Palmer.

No play yesterday

THE OVAL: Surrey v Somerset — match abandoned without a ball bowled. Surrey 2pt, Somerset 2.

TABLE

	P	W	L	D	NR	Pts
Glamorgan (7)	6	5	1	0	0	20
Kent (3)	6	4	1	0	1	18
Lancashire (4)	5	4	1	0	0	16
Worcs (2)	5	4	1	0	0	16
Essex (17)	5	3	1	1	0	14
Surrey (6)	5	3	1	0	1	14
Leics (10)	5	3	2	0	0	12
Yorkshire (5)	5	2	2	0	1	10
Somerset (16)	5	2	2	0	1	10
Derbyshire (8)	5	2	2	1	0	10
Durham (9)	6	1	3	1	1	8
Nots (11)	5	2	3	0	0	8
Sussex (15)	6	2	4	0	0	8
Warwicks (1)	5	2	3	0	0	8
Hampshire (12)	5	1	4	0	0	4
Northants (13)	5	0	3	1	1	4
Middlesex (14)	5	1	4	0	0	4
Gloucs (18)	5	1	4	0	0	4

(Last season's positions in brackets)

Other match

Cambridge University v Middlesex

FENNER'S (final day of three): Cambridge University drew with Middlesex

MIDDLESEX: First Innings 327 for 5 dec (J D Carr 116 not out, P N Weekes 58)

Second Innings
T A Radford not out 51
J C Harrison not out 46
Extras (b 5, lb 2) 7
Total (no wkt dec) 104
BOWLING. Haste 11-3-28-0, Whitall 5-0-14-0, How 7-1-29-0; Hughes 4-0-26-0.
CAMBRIDGE UNIVERSITY: First Innings 230 for 8 dec (R A Battye 70 not out, R T Ragnauth 52; A A Khan 4 for 51)

Second Innings
R T Ragnauth c Farbrace b Shine 13
M I Yeabsley c Weekes b Shine 2
J Radcliffe c Farbrace b Shine 9
R O Cake c Dutch b Shine 0
J P Carroll not out 11
R A Battye not out 6
Extras (b 4, nb 4) 8
Total (4 wkts) 49
FALL OF WICKETS: 1-8, 2-23, 3-25, 4-30.
BOWLING: Johnson 6-2-10-0; Shine 10-4-23-4, Khan 4-0-7-0, Dutch 2-2-0-0. Weekes 2-0-5-0.
Umpires D J Constant and V A Holder

MCC TROPHY: First round: Hertfordshire bt Lincolnshire 4-3 on bowl out after rain prevented play. Warrington: Buckinghamshire 204-4 (M G Roberts 64, S Shearman 56 not); Cheshire 191-8 (J Cockbain 50, T Bostock 70). Buckinghamshire won by 13 runs. Bournemouth: Dorset 286-6 (T Richings 116, J Hardy 65, Berryman 4-44); Cornwall 193 (S Williams 50) Dorset win by 93 runs. Framlingham College: Suffolk 229-8. Northumberland 135. Suffolk win by 94 runs.

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Off colour All Blacks show chinks in armour

New Zealand 48
Scotland 30

FROM GERALD DAVIES IN PRETORIA

AS ANTICIPATED, New Zealand defeated Scotland here at Loftus Versfeld yesterday, and so go on to play England in Cape Town in the second of next weekend's semi-finals.

What was not so predictable was that Scotland should respond in so enterprising fashion and, for large periods of the game, they gave as good as they received. To their credit they crossed their opponents' line on three occasions, but finally went down by six goals and two penalties to three goals and three penalties.

What was further surprising was the manner in which the All Blacks decided to play. Whilst there were moments of devastating action, with the ball being moved swiftly and adroitly among forwards and backs, there was also much which was entirely uncharacteristic. There were cases of indiscipline, of poor play and lack of skill. It seemed for a while that the All Blacks' care for their own high standards had deserted them.

It was lax, carefree and seemingly lacking any sense of All Black purpose. Jack Rowell and his English coherts will study these patterns and may glean comfort from them. They may conclude that next Sunday's confrontation is there for the taking but they should not be taken in. New Zealand are hardly likely to be so loose again and they can revert to other tactics. At any rate England, after their own quarter-final success, should not feel any sense of awe.

As for Scotland, they began as they meant to go on. The short, straight grubber kick to the ten yard line with which they began the game, showed that they intended to tease and surprise their opponents. They attempted to move the ball and not allow the game to settle down into its predicted pattern.

At the start, however, New Zealand were suspiciously underhanded in their play. Stripped of their customary black shirts and dressed in white, they showed the darker side of their rugby personality instead. They have always played to the edges of gamesmanship, and here we had evidence of the cynical side of their nature. But Derek Bevan, the referee, was up to the mark. In the first 15 minutes Little, Ellis and Kronfeld were all adjuged to have committed early, late or high tackles.

This meant that even though Little scored the opening try after four minutes, which Mehrtens converted, Scotland soon reduced the deficit to 7-6 through two penalties from Gavin Hastings.

Little's try had been fashioned by a 60-metre, bull-like charge by Lomu who left three bodies in his wake.

If Mehrtens continued to be off target with his long range and ambitious penalty attempts — he missed four in the first half — he was more successful with his conversions, collecting six in all as well as scoring a try.

The next try was well created from a short penalty. A smart tap and a pass and the gap opened for Brown. Brooke and Joseph supported him and when the ball emerged a long pass in the three quarters served Lomu. Mehrtens converted this try as well as adding a penalty.

Hasting's successful penalty from the halfway line kept his side within striking distance. Scottish spirits were high at the interval, but two devastating blows in three minutes early in the second half effectively decided the game.

Within 24 seconds of the restart Mehrtens' high kick found Hastings wanting at full back. The ball, with the kindest of bounces, ended up in Little's hands.

Then, with Scotland launching a promising attack, the ball went astray only for Mehrtens to pick it up deep in his own half. Showing a fine turn of pace to go clear of Redpath and, with a feint, he moved outside Hastings to score. The stand off half converted both tries.

Weir lifted Scotland again with a try from a drive close to the line, which Hastings converted, but two more tries in nine minutes finally ended the contest. Bunce went through a slim Scottish defence and Fitzpatrick, on his 100th appearance, concluded the most sustained movement of the whole game. Mehrtens' converted again added another penalty. Weir and Scot Hastings scored Scotland's other tries. With his final conversion Gavin Hastings collected the last of his international points.

SCORERS: New Zealand: Tries: Little (2), Lomu, Mehrtens, Bunce, Fitzpatrick. Conversions: Mehrtens (5). Penalty goals: Mehrtens (2). Scotland: Tries: Weir (2), S Hastings. Conversions: G Hastings (3). Penalty goal: G Hastings (3).

NEW ZEALAND: J W Wilson (Otago); M C G Ellis (Otago), F E Bunce (North Harbour), W K Little (North Harbour), J T Lomu (Counties); A Mehrtens (Canterbury), G T M Bachop (Canterbury); R W Loe (Canterbury), S B T Fitzpatrick (Auckland, captain), O M Brown (Auckland), J W Joseph (Otago), I D Jones (North Harbour), R M Brooke (Auckland), J Kronfeld (Otago), Z V Brooke (Auckland).

SCOTLAND: A G Hastings (Watsonians, captain); C A Joiner (Melrose), S Hastings (Watsonians), A G Shiel (Melrose), K M Logan (Stirling County); C M Chalmers (Melrose), B W Redpath (Melrose); D I W Hilton (Bath), K S Milne (Heriot's FP), P H Wright (Boroughmuir), R I Wainwright (West Hartlepool), D F Cronin (Bourges), G W Weir (Melrose), I R Morrison (London Scottish), E W Peters (Bath). Chalmers replaced by I Jardine (Stirling County, 40min), Cronin replaced by S Campbell (Dundee HSFP, 56).

Referee: W D Bevan (Wales).

Lomu, the New Zealand bull-like threequarter, goes on another rampaging run through the Scotland defence

Herculean toil resolved by magical goal

David Miller admits that the sportswriter's usual detached objectivity was stretched by the highly emotional finale at Newlands

In all of English team sport, there has not been a stunning incident such as Rob Andrew's winning dropped goal since Geoff Hurst's disputed shot in off the cross-bar at Wembley 29 years ago. Football may be a wider international sport, but the beauty of Andrew's execution of Australia yesterday was its clarity: sudden, unanswerable, unforgettable.

Here was aesthetic perfection, as the ball soared between the posts against the dark background of the roof of Cape Town's Newlands stadium, and, from the teeth of extra time and possible defeat, England had extracted delicious victory, 25-22 in the quarter-final.

Because the rugby ball is oval, the game's magical moments usually involve the athletic perfection of runners; of balance, swerve, sidestep and handling. Like Tony Underwood's try yesterday. The ball seldom has its own path of fantasy, as does the golf, cricket, tennis, squash, snooker or croquet ball engaged in its own beguiling, independent, circular elegance. A rugby ball, by comparison, is mostly a pig in a bog.

> 'Andrew unearthed a piece of gold'

What was magical about Andrew's goal was that, in an instant of graceful, almost isolated touch, it resolved more than 80 minutes of Herculean toil, sweat, anxiety and fluctuation. From a ploughed field of human endeavour, Andrew unearthed a piece of gold.

A try, even a pushover try, has an element of momentum; each team has time to react and adjust to its possibility, or even inevitability. Andrew's goal brought simultaneous ecstasy and inescapable grief.

It is the sportswriter's role to remain, if possible, detached and objective. I have seldom been so stretched to remain so as on this afternoon of trembling, switching fortunes. And, if my heart leapt with that of every England player, as the kick climbed into the pages of rugby history, for the next remaining minute or so, I was mesmerised more by the desperate, distraught Australians, as they frenziedly searched for a way out of their abyss, than by England's unflinching grasp of what they now held.

You would not realistically have bet a farthing on the outcome of extra time as the final minutes slid away, Andrew and Lynagh having exchanged six penalty kicks from 13-13 to 22-22. The game was more than two minutes into injury time when England were awarded a penalty kick in their own half.

"We had not talked about extra time, but were resigned to it," Andrew said later. "I gave the ball to Mike [Catt], because he had kicked so well out of hand, and asked him to kick for touch. The clock was up. Deano [Richards] and I talked about what we might do on our way to the lineout. It was textbook stuff — a penalty, a lineout, a drive, a dropped goal. I struck it well. It was flying."

Lynagh, Australia's captain and Andrew's opposite number, owned up to the huge disappointments. What else? Andrew's kick, he said, "was about as good as they get. I was trying to get to his boot, and didn't make it. It was an extraordinary kick under extraordinary circumstances."

Andrew was almost astride the 40-metre line, which, allowing for the radial arc from wide of the posts, meant a distance of some 46 yards. It was like a straight six hit off the back foot, or a holed putt from 100 yards. It moved the coach, Jack Rowell, the players' wives and, I guess, many thousands of others to tears of joy.

What a contrast, indeed, from the scuffed attempted drop by David Campese, some 100 seconds previously, which screwed wide towards the corner flag. Sport is made not only by those who care, but by those who do on the day. So often in the past, this has been Campese. Yesterday, it was Andrew. They are both 32.

It has been a grey fortnight for the celebrated Australia winger. Bob Dwyer, the coach, had vainly been trying to motivate him. A few days ago, in their hotel, Dwyer was chatting to some Australian wellwishers as Campese strolled by.

"Are you limping, Campo?" Dwyer asked, mischievously. "No," said Campese, slightly surprised. "Well, if you were," Dwyer said, "it couldn't be from playing too much rugby." Reputations can be so ephemeral. England will be trying to cling on to theirs for another couple of matches.

Reality denies Hastings his fairy-tale ending

Mark Souster watches one of the world's great players leave the international stage

In the end, the weight of history and Jonah Lomu denied Gavin Hastings one final hurrah. With the odds stacked against the Scots, it was perhaps inevitable that New Zealand, the dour pragmatists of world rugby and a country Scotland had never beaten in 17 previous attempts, would prove too powerful.

As the final whistle sounded on the match and his career, after 61 caps and 667 points for Scotland, Hastings's initial departure was matter of fact. There was a perfunctory handshake with colleagues and opponents before he was engulfed by photographers in much the same manner as he had been by the All Black hoardes in the preceding 80 minutes. Then it was a swift exit for the obligatory television interview, his last as captain and one in which he confirmed that he was, indeed, retiring.

However, the acclaim of the thousands of Scottish supporters ensured one last curtain call and Hastings led his players back on to the field and was carried shoulder-high for a deserved lap of honour. An emotional and proud man, his bottom lip, bloodied after one of several bruising collisions with Lomu, trembled slightly, but this time there were no tears.

At the ensuing press conference, he described his pride at having led Scotland not only in the World Cup, but also for the past three seasons: "Sometimes it has been hard, but you put away the bad times and remember the good ones and that is what I will do."

The New Zealand captain, Sean Fitzpatrick, who began his international career in the same year as Hastings in 1986, also paid tribute: "He has had a great career. He has been a fantastic ambassador for the game. In some ways, it is sad it has to end like this. He has been a great credit to Scotland and rugby union and has proved he is definitely the best full back in the world at the moment."

Before the match, Hastings had gathered his players around him in the dressing room and told them that if ever a Scottish side were to beat New Zealand, it would be now. However, only briefly did they threaten to achieve what would have been a momentous victory.

In truth, it was not one his virtuoso performances. On occasion, he appeared to be trying too hard to make something happen, but he was always on hand to exhort and cajole the younger Scots to greater effort. Nevertheless, the writing was on the wall from the moment Lomu burst through his tackle in the sixth minute to set up a try for Little.

Hastings's start was nervy, as Ellis almost charged down his clearance kick, and there was the occasional fumble. However, one of his trademark, seige-gun penalty kicks from the half-way line — two more were to follow before half-time — offered Scotland a glimmer of hope. After a quarter of an hour, a telling incursion into the line and kick ahead had New Zealand back-peddling frantically and only Mehrtens's scrambled clearance denied Hastings the score.

At the start of the second half, he missed a high kick and Little pounced; then, as Mehrtens sprinted in, the old legs could not cover in time. For a brief moment, it looked as if Hastings would have to leave the fray early after Lomu, who had earlier unceremoniously upended him, crashed through. That, though, would have been unjust and as he disappeared down the tunnel at the finish, Jim Telfer the Scottish Rugby Union's director of rugby looked on and asked: "When will we see his like again?" When indeed.

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Injuries mar hosts' triumph in bruising match against Western Samoa

South Africa pay heavily for victory

South Africa 42
Western Samoa 14

FROM DAVID HANDS
RUGBY CORRESPONDENT
IN JOHANNESBURG

NEITHER South Africa nor Western Samoa quite deserved what happened at Ellis Park here on Saturday. As it was when they played the Samoans in April, the casualty list was South Africa's primary concern as they made their way to the semi-finals of the World Cup: the Samoans, much-loved on the coast but not on the veld, departed the tournament with jeers in their ears and an uncertain future awaiting them.

Accusations of biting and of sledging were tossed around in the aftermath of a sometimes bitter quarter-final. What should have been a joyous return for Chester Williams, who scored four of South Africa's six tries, and a celebration of Samoan achievement in reaching the final eight, became lost amid indifferent Samoan discipline, a South Africa side that drifted dramatically from its tactical way, and criticism of Jim Fleming, the experienced Scottish referee.

At least we know that South Africa will play France next Saturday in the semi-final in Durban where, two years ago, they drew 20-20. Whether André Joubert will be present is in the lap of the medical profession. His team management will take stock tomorrow after a game in which both countries used the maximum quota of four replacements, Joubert breaking a bone in his left hand, though the full back has not yet been ruled out.

Ruben Kruger aggravated an old shoulder injury while Mark Andrews and Kobus Wiese, the South Africa locks, were dispatched from the field by their captain before further misfortune overtook them from the bruising, and all too frequently head-high, tackles of the Samoans. Yet even then, with the match clearly won, South Africa persisted in playing an open game, thereby laying themselves open to further assault, rather than shutting up shop.

Ill feeling crept, or rather barged, into the game when Umaga drove a throat-high tackle into van der Westhuizen. The South Africa scrum half, along with Williams the darling of the public here, was flattened, and Umaga penalised when he might have been sent off. Thereafter, the 50,000 crowd regarded Samoa as the villains of the piece, and when Falaniko made what seemed a perfectly legitimate tackle on van der Westhuizen, he, too, was penalised.

Fleming came in for heavy criticism from Bryan Williams, the Samoa technical adviser. "He seems to enjoy making whipping boys out of our team," Williams said, referring to Fleming's handling of the World Cup match of 1991 against Argentina when Matt Keenan, the Samoa lock, was sent off, and the inaugural international with New Zealand two years ago, when Grant Fox kicked seven penalty goals for the All Blacks. Here, the Samoans suffered an adverse penalty count of 18-8, much of it deserved. Moreover, Mal Meninga, the former Australia rugby league captain, has been in Apia on a recruitment drive for the professional code, and Williams said: "Unless something happens very quickly in rugby terms, our situation will be pretty difficult."

After the stern action taken last week by the World Cup authorities against two of their players, South Africa are offering no more hostages to fortune — at least, not obviously — by their behaviour on the field, even when their patience is sorely tested, or off the field, when responding to accusations of sledging. Happily, Chester Williams's rugby spoke for itself. Two tries in each half to go alongside one for Rossouw, from a tapped penalty, and another for Andrews, direct from a lineout.

The patched-up Samoan team, whose best moments came when they were able to find space on either flank, turned the game into a caricature of seven-a-side rugby in the final quarter, and worked Nu'ali'itia and Tatupu over for consolation tries. However, sympathy for their cause was in shorter supply than they require now that their tournament has ended.

SCORERS: South Africa: Tries: Williams (4), Rossouw, Andrews. Conversions: Johnson (3) Penalty goals: Johnson (2). Western Samoa: Tries: Nu'ual'itia, Tatupu. Conversions: Fa'amasino (2)

SOUTH AFRICA: A J Joubert (Natal), G K Johnson (Transvaal), J C Mulder (Transvaal), C P Scholtz (Transvaal), C M Williams (Western Province), H P le Roux (Transvaal), J H van der Westhuizen (Northern Transvaal), P du Randt (Orange Free State), C L C Rossouw (Transvaal), S Swart (Transvaal), J F Pienaar (Transvaal, captain), J J Wiese (Transvaal), M G Andrews (Natal), R J Kruger (Northern Transvaal), R A W Strauss (Transvaal). Joubert replaced by B Venter (Orange Free State, 18min), Kruger replaced by A Richter (Northern Transvaal, 48); Andrews replaced by K Otto (Northern Transvaal, 70); Wiese replaced by A Drotske (Orange Free State, 78).

WESTERN SAMOA: M Umaga (Wellington); B Lima (Ponsonby), T Vaega (Moataa), T Fa'amasino (Vamoso), G Harder (Te Atatu), F Sini (Marist), T Nu'ual'itia (Waitemata); M Mika (Otago), T Lelasamalvao (Moataa), G Latu (Vamoso), S Tatupu (Ponsonby), L Falaniko (Marist), S Lemanea (SCOPA), P Paramore (Manurewa), P Lam (Marist, captain) Harder replaced by F Tuilagi (Marist, 45), Latu replaced by P Fatialofa (Manurewa, 65); Mika replaced by B Reidy (Marist, 70); Tatupu replaced by S Vaifale (Marist, 75)

Referee: J Fleming (Scotland).

Umaga, the Samoa full back, cannot prevent Williams scoring the second of his four quarter-final tries. Photograph: Charles Platiau

France proceed insisting best is yet to come

France 36
Ireland 12

FROM GERALD DAVIES
IN DURBAN

BY MAKING steady, if unspectacular, progress to their semi-final against South Africa at Kings Park here next Saturday, France are only partially fulfilling their supporters' wishes. They are winning, but not in a style that meets with their total approval. The panache and swarming attacks that their followers would dearly like to see have yet to materialise. France's play is fitful, not flowing. Their success suffices, but does not gratify.

Such criticism is not likely to perturb Pierre Berbizier, their coach, or Philippe Saint-André, their captain. After all, they beat Ireland comfortably enough, by a goal, a try and eight penalty goals to four penalty goals.

When asked why they tread so warily, Berbizier replied that "we need at all times to consider the opposition and Ireland played well in the first half, particularly among the forwards".

If this failed to convince, the second part of the answer was meant to provide encouragement. "This team," the coach continued, "is, as yet, only gradually removing the cork from the champagne bottles." The jury, as they say, remains out on that one.

Dreaming of luxuries, however, is the prerogative of others, not the players. The chorus of disapproval would have been far greater were France, this evening, to be heading for home. For their captain, there is also satisfaction in having improved on his country's 1991 performance, when they failed at the quarter-final stage and were beaten by England in Paris.

Ireland began as expected, with a full head of steam and were admirably served in the lineout by Fulcher and Francis, both of whom were also conspicuous, along with Corkery, in the loose. Yet, while they never petered out — they were launching a brave last effort when N'Tamack intercepted Mullin's pass near the France line — they had to concede most of the second half to a dominant France pack.

Deylaud, behind them, remains an enigmatic presence. In one move, he gave a delightful underhand pass to N'Tamack to begin a devastating run, yet, as the movement reached its climax and a score seemed on the cards, the stand-off half dropped an easy but crucial pass.

Ireland, for whom Bell had a fine game in midfield, were successful when they were able to play the game at their own pace. Thus, after taking the lead in the first minute, Elwood and Lacroix exchanged penalty goals to turn round at half-time on 12 points each.

Although the manner of the scoring remained unchanged, France began the second half by raising the pace more to their liking. Ireland were now on the turn and tackling desperately. They were not to enter the France half until the 23rd minute of the half.

By this time, however, transgressions by the Irish — Halpin offside, O'Mahony committing himself to an early tackle — had allowed Lacroix to kick his side into an 18-12 lead. France remained cautious, however, and did so until Lacroix, with his seventh penalty goal, extended the lead further still.

Now that they had established the kind of fight that they wish to see between themselves and their opponents, France began chancing their arm. They looked more dangerous as a result. Lacroix equalled the record number of penalty goals in a World Cup match by kicking his eighth.

N'Tamack: scored late try

Then, finally, they crossed the try-line, with Saint-André scoring in the 78th minute and N'Tamack in the fourth minute of added time. Lacroix converted the first of these.

While this victory was based on the dominance of their pack, France will have to prepare more intricate stratagems of play to overcome the physically more intimidating presence of South Africa and progress further.

SCORERS: France: Tries: Saint-André, N'Tamack. Conversion: Lacroix. Penalty goals: Lacroix (8) Ireland: Penalty goals: Elwood (4).

FRANCE: J-L Sadourny (Colomiers), E N'Tamack (Toulouse), P Sella (Agen), T Lacroix (Dax), P Saint-André (Montferrand, captain), C Deylaud (Toulouse), A Hueber (Toulon), L Armary (Lourdes), J-M Gonzales (Bayonne), C Califano (Toulouse), L Cabannes (Racing), D Merle (Montferrand), O Roumat (Dax), A Benazzi (Agen), M Cécillon (Bourgoin)

IRELAND: C O'Shea (Lansdowne), D O'Mahony (University College, Dublin), B Mullin (Blackrock College), J Bell (Ballymena), S Geoghegan (Bath), E Elwood (Lansdowne), N Hogan (Terenure College), N Popplewell (Wasps), T Kingston (Dolphin, captain), G Halpin (London Irish), D McBride (Malone), G Fulcher (Cork Constitution), N Francis (Old Belvedere), D Corkery (Cork Constitution), P Johns (Dungannon), Fulcher replaced by E Halvey (Shannon, 60min)

Referee: E Morrison (England)

Four-try Williams carries whole nation forward

David Miller sings the praises of an electrifying wing who represents his country's best hope of progress

The new, equal, multiracial South Africa needs non-white national sporting heroes: their own Owens, Ali or Pelé. The black majority, only marginally familiar with rugby union, thought that they had found one in Chester Williams, the electrifying winger from Paarl, near Cape Town. Now, they know that they have.

Williams, who is so reticent and unassuming that you wonder how he plays this violent game, stepped back into the World Cup spotlight after voluntary withdrawal through injury. South Africa, black and white, prayed he would do well. He did more than that: he wrote a page in history.

His four tries against Western Samoa, in the quarter-final at Ellis Park, Johannesburg, on Saturday, came at regular intervals. There were moments, against these sturdy South Pacific islanders, when he seemed blessed with wings. When you look at his slender legs, his brilliance is almost unnatural.

There was an especially poignant moment, encapsulating the slogan "One team, one country" immediately after his third try. As Williams walked back to the halfway line, eyes down in modesty, the massive Kobus Wiese, the lock so symptomatic of the white Springbok past, lumbered across to extend the handshake of approval.

Yet many will be wondering, not least the hosts themselves, where they would now stand without this exceptional player; or, indeed, without the contradictory regulations that permitted South Africa to replace Pieter Hendriks, a suspended player, with an even better one?

While South Africa are counting their misfortunes, after an injury-striken performance which suggests that a France team varying the play might win their semi-final next weekend, they should be thankful at least that Williams is there.

The statistics of his twelfth international match are as dry as a chemistry formula: his four tries a South African record in one match, his total of 11 the fourth best of all time. Yet ignore the width, feel the quality.

Better, almost, than any of his tries was his run two minutes from the end. Taking a pass with only 12 yards or so of pitch spare to his left, he side-stepped inside Harder, his opposite number, and, with a sudden change of gear, accelerated between two more converging royal blue shirts. A hand clutched at him, but he broke free with the ground empty before him except for the distant figure of Umaga, the Samoa full back who had been persistently booed for nasty fouls. Yet, with a fifth try beckoning, Williams caught his studs in the turf, stumbled, and lost the ball. You could hear the 58,000-strong crowd groan.

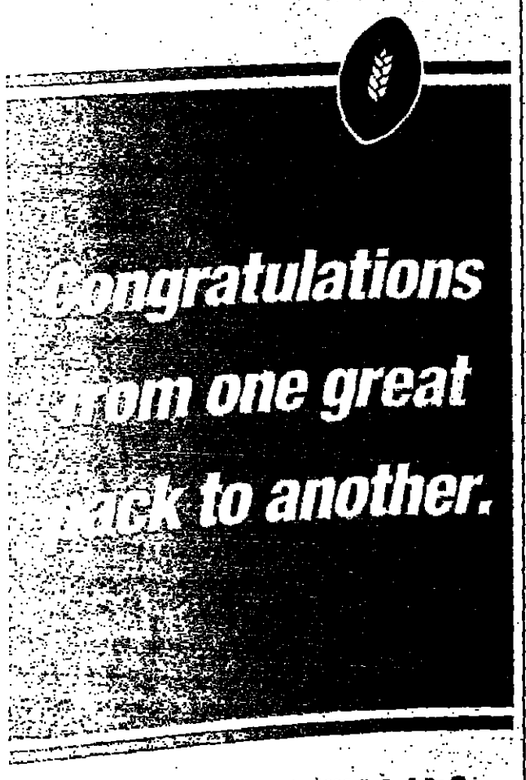
They had had to wait more than a quarter of an hour for Williams's first touch, and when it came it was appropriately electric. Andrews, the lock forward, began the move with a rampaging drive from a lineout, spawning a ruck from which Pienaar, the flanker, made the second-phase drive. Out came the ball again, and van der Westhuizen, the scrum half, swung it left, bypassing two backs, to Joubert, the full back, who had been nursing an injured hand that would later prove to be broken.

Space was running out as Joubert flicked the ball on, but Williams was away, head low, crouched forward, legs going like a whippet to carry him clear and over the line.

Five minutes before half-time, Williams was twice involved in the move that produced his second try. Receiving the ball as a move flowed left, he found Rossouw, his hooker of all people, supporting on the inside. Rossouw forged diagonally back towards the posts, switched the ball left again to Kruger, the flanker ... whose pass to Williams in the corner was blatantly forward. Unlucky Samoans: 16-0.

The third try came early in the second half. South Africa were foraging near the Samoan line. A ruck tumbled open to the left, Kruger, the flanker, threw a two-handed overhead pass to Scholtz, the centre, and Williams, racing into the narrowest of gaps by the flag, flung himself head first to slide over with barely a yard to spare.

The game now became ragged with replacements and there were four minutes remaining when, from a tapped penalty by van der Westhuizen five yards out, Williams, the acting-scrum half, picked the ball out of the ruck to plunge into another pile of bodies, grounding the ball on the line. South Africa could celebrate, but with some serious reservations.



Germany find new Falk hero

John Goodbody sees England's schoolboys outmanoeuvred and overpowered at Wembley

PLAYING with rare originality and organisation, Germany's schoolboys benefited from the open spaces of Wembley Stadium to achieve a consummate 4-2 victory over England in the Walkers Crisps schoolboys football international on Saturday.

In Patrick Falk, Germany possessed an incisive balanced striker, whose flicks, dummies and two goals unhinged England.

In 45 years of under-15 internationals at Wembley, only Scotland (five, in 1982) have scored more goals against England.

However, not too much should be read into this result. Because of the differing age regulations in the countries, some of the German boys were up to 11 months older than the English players.

With teenagers, this can make a significant difference in physical and technical maturity. Certainly, several of the Germans looked sturdier and more at ease when on the ball.

Last year, England won 3-2 in Berlin, but that was with a crop of quite exceptional youngsters. This season, England have been slightly less impressive despite the best efforts of Michael Owen, whose 12 goals this season beat the record of nine, previously held by Nick Barmby, of Tottenham Hotspur, and Kevin Gallen, of Queens Park Rangers.

They lost in Dublin a fortnight ago, and, after going behind to a penalty in the third minute on Saturday, never really challenged the Germans.

John Owens, the England team manager, saw Germany draw in Wales in midweek.

SPORT IN SCHOOLS

"That was on a tight pitch," he said. "I thought they were just warming up for us and Wembley would suit them very well. The Germans played so much better today."

He was particularly impressed by the Germans' strength and passing in midfield. "Their full backs were also good at all aspects of wing play," he said. "The best lessons are often picked up in games like this."

The policy of the English Schools' Football Association is to emphasise more small-sided games rather than the traditional 11-a-side. However, boys usually prefer full teams because that is what they see on television and they like to identify with their idols.

Erich Rutemoller emphasised that his duty as the Germany coach was not only success in games but to "build a good basis, to help the players fulfil their potential and to perhaps prepare them for a professional career".

He pointed to the link of Falk — "very safe on the ball" — and Jochen Endres, another Eintracht Frankfurt player, as a salient reason for Germany's victory. "They know each other very well and know how to run for each other," he said.

It took Falk only two minutes to infiltrate the England defence after Steven Haslam had been robbed. The German hit the post, but, in trying to clear the danger, Wesley Brown's foul tackle was punished with a penalty which Falk converted.

England equalised after 30 minutes when Jamie Burt dribbled past five opponents in a surging 40-yard run. Just when it looked as if he was going to lose momentum, he kept his composure and slipped the ball to Owen who scored.

Germany's response was immediate. Endres swept home a cross from Beer, overlapping from full back, and went further ahead in the 56th minute when Markus Goller scored.

Falk then sold a lovely dummy in midfield, allowing the ball to run to Jens Truckenbrod, who returned it to Falk. The German chipped the ball past Gareth Stewart.

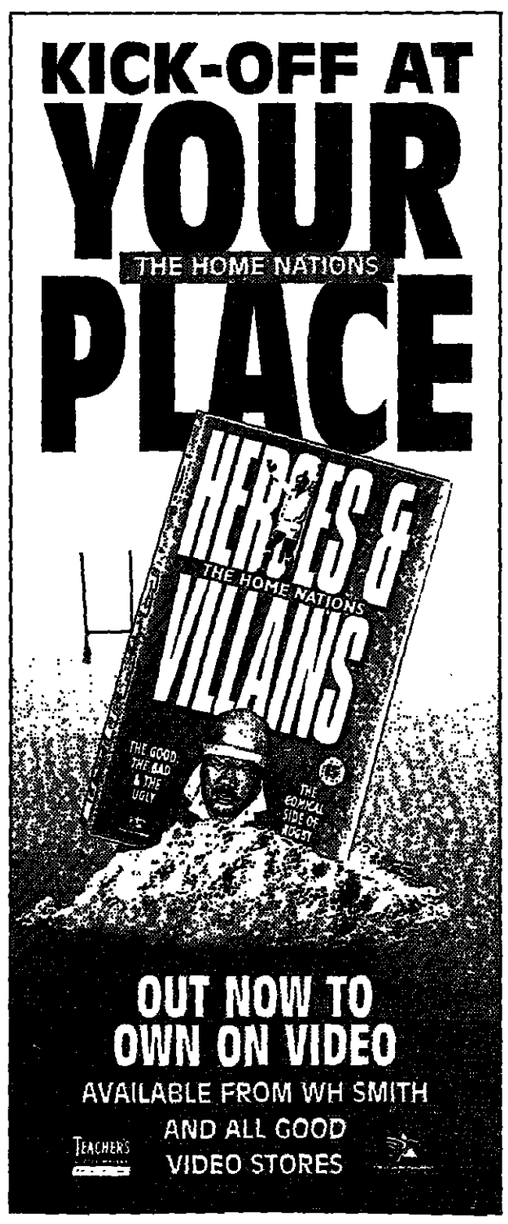
England earned a goal back when Richard Kell, their substitute, headed home from Shayne Bradley.

ENGLAND (4-3-3): G Stewart (South Ribble; sub, M Read, Thurrock, 75min) — R Cooper (Nottingham), M Ball (Sefton; sub M O'Brien, Liverpool, 75); S Haslam (Sheffield, captain), W Brown (Manchester) — J Hibbert (Spelthorne), M Jones (Walsall; sub S Bradley, Gloucester, 66), J Day (North Kent) — K Lunt (North Kent; sub: A Brown, Bristol, 66); N Owen (FA National School), J Burt (East Northumberland; sub R Kell, Hambleton and Richmond, 66).

GERMANY (4-3-3): T Hillenbrand (sub: M Kaczmarek, 40) — O Beer, N Loose, G Kapitza, J Truckenbrod — J Endres (captain), J Zimmermann (sub: S Dessler, 66), R Baron (sub: M Goller, 55) — T Scheper (sub: A Gensler, 68), P Nolden (sub C Strasser, 68), P Falk.

Referee: R Lewis.

Schools results, page 33



World-ranked British athlete still improving as search for recognition goes on

Shaw strikes hammer blow for her sport

David Powell watches a newcomer with a promising future in the international arena

MARTIN BEDDALL

Shaw turns on the style during the women's hammer competition at Bedford in which she set a British and Commonwealth record

THERE was no doubt about the performance of the meeting at Bedford on Saturday — and it was not the British and Commonwealth pole vault records by Kate Staples. In the last year, Staples has become one of Great Britain's best-known athletes, though that would not be the case but for her alter ego, Zodiac, of *Gladiators*. After all, how many of you have heard of Lorraine Shaw?

Shaw, like Staples, is a field event competitor, but, with no television role to project her, she is relatively unknown, despite being one of Britain's four highest world-ranked athletes this season. Shaw's chances of raising her profile with a medal at the world championships in Gothenburg in August are nil: her discipline, the hammer, does not become a world championship event until 1997.

The delay is Britain's loss because, after seven British records this season, Shaw is shaping up to become the country's best woman field event athlete since Fatima Whitbread. Zodiac may be gazing at the stars, but Shaw is up with them already. A first-round throw of 64.90 metres in the Bedfordshire International Games on Saturday improved the British and Commonwealth records and moved Shaw into fourth position on the all-time world rankings.

By all-time, here, we mean since 1989, when rankings for the women's hammer were begun, and it was not until last December that the event gained world-record status, along with the pole vault. This is catch-up time for women's athletics. In quick succession, the triple jump, pole vault and hammer have been accepted for international competition and the only men's fortress unconquered is the steeplechase.

The emancipation of women in the Nineties in field events follows middle-distance liberation in the Seventies and distance-running acceptance in the Eighties. How far the women have come since the 1956 Olympic Games, when their longest event was the 200 metres.

By 1972, they were running 1,500 metres at the Olympics, and, by 1984, the marathon. From this season, with the 5,000 metres replacing the 3,000 metres at the world championships, the his-and-hers set is almost complete. There is even talk of the heptathlon being replaced by the decathlon. As Bruce Longden, Daley Thompson's former coach, said: "The only thing stopping it has been the pole vault."

Eight women have cleared four metres outdoors, though Staples is not among them, her mark at Bedford taking her to 3.70 metres. Meanwhile, Shaw is rattling the cage of Olga Kuzenkova, the hammer's world record holder. She is now little more than three metres short of the Russian's mark of 68.14 metres — and she has scope for improvement, according to Alan Bertram, her coach.

Bertram predicts that, in the next three years, Shaw will reach 70 metres and, eventually, 75. "When she becomes a proficient technician and adds speed and strength, she will get these distances," Bertram said. "She is explosive, but has many technical deficiencies. She is not smooth yet."

Bertram spotted Shaw's potential three years ago, when she was a discus thrower experimenting with the hammer. "The first thing I noticed was that she was a fine athlete," he said. "Even at that time, you see her rhythm and speed. She had good rotational balance, all the attributes to make a hammer thrower. She is 5ft 8in/5ft 9in, which is about right."

Shaw, 27, from Gloucester, expects further improvement when she masters four turns in the circle instead of three, enabling a faster release. "I am still learning the basic techniques," she said. Rough-edged her skills may be, but still she defeated Simone Mathes and Inga Beyer, Germans from the world top ten.

Run on a small budget, this European B circuit meeting offered no appearance-money, not even expenses. Its only extravagence was three free flights put up by Air UK. The organisers used them to bring over the Germans to give Shaw competition. Their perception should be applauded.

Results, page 33

Smith's joy tarnished by thoughts of dodging the draft

By David Powell

SPENCER SMITH, Great Britain's San Diego-based triathlon world champion, regained his British Olympic distance title at Windsor yesterday as if the opposition did not exist. He then cast a slight doubt over whether he would seek a fourth successive world title this year.

Competing in Britain for the first time in nearly two years, Smith won by more than three minutes.

First out of the Thames after the 1,500 metres swim, he disappeared into the distance during the 40 kilometres ride. By the ten kilometres run, he was not only three minutes clear of Steve Burton, the defending champion, and Richard Allen, the world junior silver medal-winner last year, he had also left the leading women well behind. The women started ten minutes before him.

As was evident yesterday, Smith's strength is his cycling and he is unhappy that, at the world championships in Mexico this year, drafting is to be permitted. The no-drafting rule, preventing riders from settling within a three by seven metres box of each other, helped Smith to his 1992 junior world title and his senior triumphs in 1993 and 1994.

He is leaving his options open on the world championships. "At this moment, I am saying I will be going, but I am not happy with the situation," Smith said. "It has always been an individual thing, but, suddenly, team tactics are involved and that is not to my advantage."

Sollars: relative novice

He is concerned that he would not be able to stamp his authority on the ride, the middle section of the race, because his challengers could sit in behind him. "It is going to be difficult for me to get away," Smith added. "Every world championships I have won, I have got away on the ride."

The move towards drafting is to make racing more attractive to television as the sport continues to grow in stature.

At least Smith should go to the European championships in Stockholm next month in positive mood. There will be no drafting there and his victory at Windsor, in 1hr 47min 34sec, extended his unbeaten sequence this season to six races.

The winning margin over Allen, who was second, and Burton, who was third, was considerable, but might have been more. Smith thought that he was operating at only 90 per cent capacity because of fatigue.

The women's race was won by Loretta Sollars in only her third season of triathlon. Two years ago, she was refused a place among the elite; last year, she was too busy organising the championships to take part. Now, she is British champion, though she swam ten metres too far after a canoe obstructed her view of the finish. However, her strong running took her clear of Alison Hollington, the defending champion.

Photograph, page 33

Langer in prime form for US Open

From Mel Webb in Hamburg

AS Bernhard Langer sat in a private jet bound for the United States last night, he could look back on one of the most dominant performances of his golf career. A few hours earlier, he had won the Deutsche Bank tournament players' championship by six shots, a performance that could only put him in good heart for the United States Open at Shinnecock Hills this week.

Langer, struggling with a heavy cold all week, closed with a 69 to finish with a total of 270, 18 under par, with Jamie Spence, who had pursued him doggedly for the previous three days, finishing second, a shot ahead of Mats Lanner. They and those who ran into the minor places — Anders Forsbrand, Sam Torrance and Costantino Rocca — played decent golf all week, but Langer was on an altogether higher plane from the moment he set foot on the first tee on Thursday.

It was the widest winning margin of the season, and the biggest win since Ernie Els won the Dubai Desert Classic by six in January last year. Langer was the only player in the field to have four rounds in the 60s, and it was his second victory in three weeks and his second in succession.

To complete a small orgy of statistics, the first prize of £108,330 also took him to the top of the order of merit with £289,677 and the Ryder Cup qualifying list with 490,316 points.

Langer knew, when he started yesterday, that he had only to stay vertical and keep walking to win. He was glad, he said on Saturday evening, that he had such a big lead, because he would be able to play conservatively and still be able to win in comfort. True to that forecast, his only extravagances came on the front nine. He birdied the 3rd and 4th and reached the turn in 33 with a further birdie at the 9th. Nine pars followed on the inward half and he was home.

"It's hard to explain how I won, because I felt awful all week; it was difficult to swallow and talk," he said. "I played pretty well the last time we went to Shinnecock and finished eighth. If my game is in similar shape to the way it's been in my last two wins, I might have a chance."

Colin Montgomerie and Ian Woosnam, who will also be at Shinnecock Hills, had less cause for satisfaction. Montgomerie was totally unable to come to terms with the greens at Gut Kaden, and a week of misery for Woosnam was only partially redeemed by a closing 67 helped by a new driver that he did not acquire until after the tournament started.

Woosnam said that he was not striking the ball anything like far enough with the new weapon, but at least it was going straight.

Montgomerie had birdie chances all the way round, but made only three of them, and even had a double-bogey seven on the long 15th after visiting a water hazard. "It's infuriating," he said. "The greens here are so inconsistent it's ridiculous." Maybe; but Bernhard Langer did not seem to have much bother.

FINAL SCORES

Great Britain and Ireland unless stated

270: B Langer (Ger) 67, 68, 68, 69. 276: J Spence 68, 69, 69, 70. 277: M Lanner (Swe) 69, 74, 68, 66. 279: A Forsbrand (Swe) 75, 72, 65, 67. 280: S Torrance 71, 67, 71, 71; C Rocca (It) 68, 70, 71, 71. 281: R Wessels (SA) 73, 70, 71, 67; M Campbell (NZ) 71, 68, 74, 68; S McAllister 73, 68, 69, 71. 282: G Orr 70, 74, 71, 67; J Sandelin (Swe) 71, 69, 73, 69. 283: P Baker 69, 74, 71, 69, S Luna (Sp) 71, 74, 69, 69; J-L Guepy (Fr) 75, 70, 69, 69; M Litton 71, 68, 73, 71, S Ames (Trin) 70, 69, 71, 73.

Cosmopolitan has successful style

By Jenny MacArthur

WILLIAM FOX-PITT, who missed his chance of a first Badminton win last month when Chaka, his top horse, failed the final horse inspection, received swift compensation yesterday when he and Cosmopolitan won the Toyota Bramham International three-day event.

Victory in the Yorkshire event came after an overcast final phase of show jumping in which Fox-Pitt, 26, held on to his overnight lead with a well-judged clear round on the eight-year-old gelding, owned by The Milton Keynes Eventing Centre and Hackett Limited.

Andrew Nicholson, of New Zealand, riding Cartoon II, Pippa Funnell's former horse, retained second place. "I'm capitalising on Pippa's hard work; he is a lovely horse to ride," Nicholson, who is based in Somerset and was also the runner-up at the Saumur and Compiegne events in France this spring, said.

The New Zealander had a nerve-racking time in the final horse inspection when Cartoon, who had pulled a shoe off on Saturday, was "held over". He passed at the second attempt.

Didier Seguret, of France, the runner-up at Windsor last month, moved up to third place on Coeur de Rocker after Victoria Latta, on Broadcast News, incurred five show jumping penalties.

Fox-Pitt, who took over the ride on Cosmopolitan from Richard Mitten in January, had a copybook preparation for Bramham with clear rounds at four advanced horse trials, finishing with fourth place at Savernake. His fears that the non-thoroughbred gelding might not be fast enough for a three-star event were dispelled when he and Nicholson were the only two riders to go clear inside the time on Saturday. "He finished stronger than he started,' Fox-Pitt said. He hopes now to take the horse to Burghley, the four-star event that Fox-Pitt won last year on Chaka.

Paddy Muir's formidable run of bad luck at Bramham continued when her home-bred Archie Brown, on which she had been placed third overnight, was "held over" after the final horse inspection and then withdrawn. Muir, who has competed at Bramham five times and fallen on each occasion, thought that she had broken her jinx after a superb performance on Saturday, in which she was one of only a handful to take the difficult direct route at the eighteenth fence.

Ian Stark, on Forest Glen, his new horse, and Anne-Marie Evans, on Dutch Treat, failed to capitalise on their good dressage scores when both had 20 penalties at the fourth fence, the Pheasant Feeder — one of the most influential fences on Michael Tucker's 25-fence course.

Results, page 33

Sherry victorious having listened to mother

Sherry: comfortable win

By John Hopkins
Golf Correspondent

MOTHERS know best, they really do. When Anne Sherry heard that Gordon, her son, had passed his exams this year at Stirling University, she clapped her hands in relief. "That's you settled now, Gordon," she said to her offspring. "There's nothing more for you to worry about. Go out and win the Amateur."

Gordon Sherry went out and did just as his mother had bidden him. One by one, his opponents were overcome by his resolute play over Hoylake's inward nine holes. Never was this more true than in the game with David Howell, against whom Sherry was three down with six holes to go on Friday morning before winning on the 18th green.

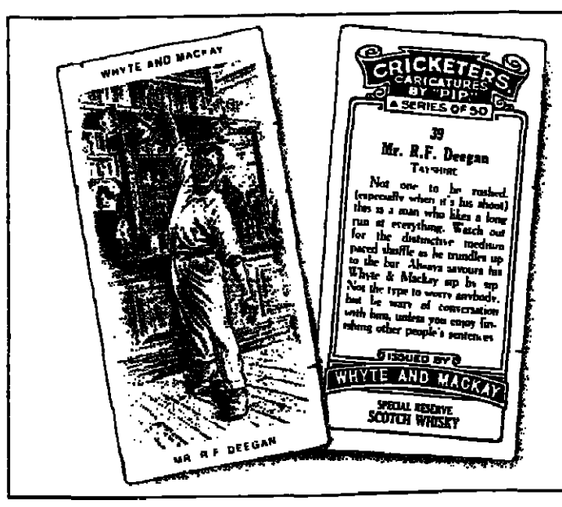
What happened at the moments of crisis was that Sherry seemed to plant his enormous feet more firmly than ever and, thus anchored, he was able to strike the ball more accurately and take full advantage of his considerable length. He also drew on an ability to withstand the pressure that he has gained from participating in important tournaments such as the Eisenhower Trophy in Paris. This was how, again and again, Sherry got himself out of tight corners.

No such rearguard action was necessary in the final. Soon after four o'clock, on an overcast afternoon of intermittent rain, Sherry despatched Michael Reynard by 7 and 6 to win the Amateur.

After Gordon had won, Bill, his father, was first on to the green followed by Iain, his brother. Then came his mother, graciously pausing to kiss Reynard, before getting up on to the very tips of her toes to kiss her wee bairn, all 6ft 8in and 18 stone of him.

Just once all week Sherry played outstandingly well for all 18 holes and this was over the first 18 holes of the final. He went round in an estimated 68, four under par, and, having won four of the last five holes, was eight up at lunch. Reynard's penalty of the loss of one hole for being late on the tee after lunch, a stupid error, hardly made any difference. It is odd, though, that the finalists had to queue up alongside spectators for their lunch in the clubhouse.

It was Hoylake's seventeenth Amateur and it is hard to believe that it could ever have been better prepared. Yet this will be remembered as the slow-play Amateur. Warnings were issued and the two finalists only just got round inside the guideline of 3hr 57min. It is a shame because it distracts from Sherry's performance, which was towering in more ways than one.



The Medium Pacer.

Ellerston lead top-class display

By John Watson

AN ESTIMATED audience of 20,000 at the Guards Polo Club at Smith's Lawn, Windsor, watched a match from the upper spectrum of polo during the Japan Airlines day yesterday.

The annual encounter for the JAL Cup featured a battle fought out between eight Latin American players. Ellerston White, a 32-handicap squad, was based on Kerry Packer's central duo, Carlos Gracida, of Mexico, and Gonzalo Pieres, of Argentina, and was completed by Roberto Gonzalez (Mexico) and Alvaro Pieres (Argentina).

They faced Alcatel, whose central power base is composed of the equally celebrated Picci Alberdi, another Argentine, and Gabriel Donoso, of Chile, who play regularly for the Canadian-Italian patron, John Manconi. Their quartet, aggregating a team handicap of 35, was completed by the Argentine ten-goaler, Ernesto Trotz, with Horacio Llorente in the No 1 slot.

Both sides were superbly mounted by their regular patrons. This was a display of how tactical polo at the supreme level should look.

Played over six chukkas, it was not only the fastest game likely to be witnessed at an English club, but also the most open, with long passes, close marking and backing up. Ellerston won 11-10.

The Royal Horse Guards Cup match, which concluded the afternoon, was also a qualifying round for the Royal Windsor tournament. Lambourne won 5-4½ against Geebung (received half).

Earlier, the crowd had enjoyed a tussle between two under-14 teams when Pony Club South beat Polo Club North 3-0.

ELLERSTON WHITE: 1, A Pieres (5); 2, C Gracida (10); 3, G Pieres (9), back, R Gonzalez (8).
ALCATEL: 1, H Llorente (7); 2, G Donoso (8); 3, A Alberdi (10), back, E Trotz (10).
LAMBOURNE: 1, C Seavill (4); 2, R Matthews (4); 3, A Parrott (6), back, J Seabrook (1).
GEEBUNG: 1, R Stowe (0); 2, B Kelly (4); 3, A Hine (6), back, W Hine (4).

FOR THE RECORD

AMERICAN FOOTBALL

WORLD LEAGUE: Barcelona 20 Frankfurt 44; London 9 Scottish C 22.

AUSTRALIAN RULES

ELEVENTH ROUND: North Melbourne 22.11 (143) bt Fremantle Dockers 11.6 (72); Brisbane Bears 17.30 (132) bt Fitzroy 10.14 (74). Adelaide 12.18 (90) bt Footscray 6.10 (46); Geelong 19.9 (123) bt Essendon 17.10 (112). Richmond 18.15 (123) bt West Coast Eagles 9.9 (63). Collingwood 25.11 (161) bt St Kilda 13.9 (87).

BASKETBALL

BRNO, Czech Republic: Women's European championship: Group A: Italy 59 Russia 57, Lituania 80 Germany 71. Group B: Ukraine 61 Slovakia 59; Moldavia 63 Romania 59 Moldova 53 Ukraine 59.

BOWLS

MIDDLETON CUP: Huntingdonshire 93 Essex 125; Hertfordshire 124 Warwickshire 118, Cambridgeshire 110 Suffolk 113, Leicestershire 123 Bedfordshire 105; Hampshire 118 Middlesex 125, Isle of Wight 105 Buckinghamshire 122; Berkshire 116 Oxfordshire 115; Surrey 116 Sussex 103; Devon 113 Dorset 98; Somerset 91 Wiltshire 119, Cornwall 127 Gloucestershire 105, Herefordshire 91 Worcestershire 133; Durham 112 Lincolnshire 125; Northumberland 113 Nottinghamshire 95, Cumbria 161 Derbyshire 89; Lancashire 132 Yorkshire 125

STOKE MANDAVILLE: British Wheelchair Sports Foundation: Finals: Men: Singles: B Bagnall (N Ire) bt R Farnath (Eng) 21-14. Pairs: K Woolmore and K Bridgeman (Wales) bt I Slackmore and M Vicary (Eng) 17-13. Women: Singles: P Tyler (Eng) bt A Battle (N Ire) 27-10. Pairs: Battle and Tyler bt M Finch and J Dean (Eng) 17-3. Tetraplegic: Singles: G Stokes (Wales) bt N Smith (Wales) 21-15. Pairs: Smith and Stokes bt C Richie (N Ire) and G McClowman (Scot) 25-8.

BOXING

MANCHESTER: Professional event: World Boxing Association cruiserweight championship: Ralf Rocchigiani (Ger) bt Carl Thompson (Manchester) rtd 11th. Heavyweight: Joey Paladino (St Helens) bt Gary Williams (Nottingham) pts. Heavy: Steve Garber (Bradford) bt John Fury (Haslingden) ko 4th. Light-heavy: Maurice Core (Manchester) bt Eric French (US) rsc 2nd. Super-middle: Mark Dawson (Burton) bt Ryan Cummings (Islington) pts. Middle: Robin Reid (Warrington) bt Martin Jolley (Alfreton) ko 1st. Light-middle: Steve Foster (Salford) bt Tony Enna (US) rsc 8th. Light-welter: Mark Winters (Ireland) bt Mark McGowan (Sunderland) pts. Feather: Paul Griffin (Ire) bt Andrew Reid (Potters Bar) rtd 5th.

KANSAS CITY: International Boxing Council heavyweight championship: Tommy Morrison (US) bt Donovan Ruddock (Can) ko 6th. IBC super-middleweight championship: Roberto Duran (US) bt Roni Martinez (US) ko 7th.

LIVERPOOL: International amateur festival: Super-heavyweight: V Klitchko (Ukr) bt P Vidoz (Italy) disq 3rd. Heavy: M Ellis (Eng) bt M Simmons (Can) pts. Light-heavy: J Hertenstein (Ger) bt D Mansore (Fr) pts. Middle: S Ottke (Ger) w/o. Light-middle: A Zubrihin (Ukr) bt J Smith (Can) pts Welter: M Jones (Eng) bt M Hall (Eng) pts. Light-welter: D Pavouscenkov (Russ) bt E Szabo (Hun) pts. Light: E Zacharov (Russ) bt S Singkom (Thai) rsc 3rd. Feather: R Peden (Aus) bt S Kamsing (Thai) pts. Bantam: J Swan (Aus) bt A Artanonov (Russ) pts. Fly: M Makhinin (Russ) bt M Mollenberg (Den) pts. Light-fly: P Lakatos (Hun) bt V Sidorenko (Ukr) pts.

CRICKET

BAIN HOGG TROPHY: Slough: Essex 245-7 (A Seymour 94, J Lewis 53). MCC Young Cricketers 191 (R Rao 75). Essex won by 54 runs. Southgate: Minor Counties 171 (S V Laudat 57). Middlesex 175-6 (M W Gatting 75, P E Wellings 50, O J Murphy 5-57). Middlesex won by four wickets. Northampton: Warwickshire 209-8 (A F Giles 70 not out; T C Walton 4-50). Northants 207-4 (M B Loye 103 not out). Northants won by six wickets. Worksop College: Nottinghamshire 197-8 (J R Wileman 65, S J Musgrove 51). Durham 112 (J Hart 4-20). Nottinghamshire won by 85 runs. Pantag: Glamorgan 334-3 (A Roseberry 124 not out, A D Shaw 107). Worcestershire 338-7 (C M Tolley 85, C E Mulraine 84, I Ward 57). Worcestershire won by three wickets.

EQUESTRIANISM

BRAMHAM: Three-day event: 1, Cosmopolitan II (W Fox-Pitt, GB) 42.40; 2, Cartoon II (A Nicholson, NZ) 48.20; 3, Coeur De Rocher (D Segurel, Fr) 58.40; 4, Broadcast News (V Latta, NZ) 61.60; 5, Seducteur Biolay (D Willefert, Fr) 62.20; 6, Sinderhope Merlin (S Lemon, GB) 65.80. Yorkshire Post Young Riders: 1, Heron's Flight (L Kempley) 54.80; 2, White Lights (S Cutteridge) 58.20; 3, My Abalu (A Broad) 64.0. Land Rover FEI World Rider rankings 1, B Davidson (US) 311; 2, A Nicholson (NZ) 226; 3, M Ryan (Aus) 181.

GLIDING

NYMPSFIELD, Gloucestershire: Rolex National championships: Standard Class: First and second days abandoned — unsuitable weather.

GOLF

MARYLAND: Men's tournament: Third-round scores (US unless stated): 202: D Love III 68, 63, 71. 203: P Stewart 69, 69, 65. 204: C Pavin 73, 68, 63. 205: N Lancaster 70, 70, 65; R Freeman 70, 69, 66; L Janzen 69, 69, 69; J Haas 71, 68, 69. M O'Meara 66, 70, 69; S Hoch 68, 65, 72. 206: J Mahaffey 72, 69, 65; S Jones 69, 68, 69. J Parnevik (Swe) 67, 70, 69. 207: B Andrade 71, 71, 65; F Allem (SA) 73, 69, 65; G Norman (Aus) 72, 66, 69; L Mize 67, 70, 70; V Singh (Fiji) 65, 71, 71. P Blackmar 67, 68, 72. 208: B Gleason 72, 70, 66, J Haas 71, 70, 67; J Sluman 72, 67, 69; N Price (Zim) 70, 68, 70; J Leonard 71, 67, 70; A Magee 67, 70, 71; T Kite 67, 68, 73. 210: W Grady (Aus) 66, 69, 75. 214: M-A Jiminez (Sp) 68, 74, 72

ROYAL LIVERPOOL CLUB, Hoylake: Amateur Championship: Final: G Sherry (Kilmarnock Barassie) bt M Reynard (Moseley) 7 and 6.

EVIAN: Women's tournament: Final scores (GB and Ire unless stated): 271: L Davies 68, 67, 69, 67. 276: A Sorenstam (Swe) 68, 72, 68, 68. 277: C Nilsmark (Swe) 68, 69, 70, 70. 279: A Nicholas 71, 66, 72, 70. 282: C Dibnah (Aus) 70, 70, 70, 72. 283: C Hjalmarsson (Swe) 70, 72, 71, 70. H Wadsworth 67, 72, 73, 71. T Johnson 69, 71, 72, 72. 284: E Orley (Swtz) 71, 71, 74, 68; K Mourgue d'Algue (Fr) 71, 73, 72, 68; M Lunn (Aus) 70, 72, 70, 72. 285: D Barnard 74, 70, 71, 70. 286: K Webb (Aus) 76, 71, 69, 70. 287: S Dallongeville (Fr) 72, 71, 74, 70; M-L de Lorenzi (Fr) 72, 75, 69, 71, C Sorenstam (Swe) 73, 69, 73, 72. H Alfredsson (Swe) 76, 71, 68, 72. 288: L Hackney 68, 72, 73, 75.

BROOKLYN PARK, Minnesota: Women's tournament: Second-round scores (US unless stated): 134: J Larsen 66, 68. 137: P Bradley 67, 70; C Rarick 66, 71. 138: L Ann Mills 69, 69. 139: S Steinhauer 70, 69; M McGann 70, 69; T-J Myers 69, 70; G Graham (Can) 69, 70. C Pierce (GB) 67, 72. 140: A Fruhwirth 69, 71. 141: M Malon 72, 69; K Marshall 71, 70; L Neumann (Swe) 70, 71, E Crosby 70, 71; T Tombs 66, 75. 144: S Little (SA) 72, 72, D Coe-Jones (Can) 71, 73; H Kobayashi (Japan) 69, 75. 145: J Lidback (Per) 72, 73; J Crafter (Aus) 70, 75. 146: A Dibos (Per) 74, 72. 147: P Sinn (S Kor) 73, 74; N Harvey (Can) 73, 74; J Wyatt (Can) 71, 76. 148: A Munt (Aus) 75, 73. Did not qualify: 149: J Stephenson (Aus) 71, 78. 150: P Wright (GB) 73, 77; M Figueras-Dotti (Sp) 73, 77. 153: S Strudwick (GB) 78, 75.

GYMNASTICS

BLETCHLEY: Men's English Championships: 1, P Bowler (Manchester Cent) 55.35, 2, L McDermott (Sutton) 54.30, 3, D Brindle (Leeds) 53.30.
Sports Acrobatics: Pairs: 1, N Yellop and B Ellison (South Tyneside) 29 340; 2, J Green and J Reddy (Wakefield) 27.980
Men's International: Australia 539.30 GB 539 00

HOCKEY

DALGETY: Under-15 Internationals: Scotland 2 Wales 2, Scotland 5 Wales 0; Scotland 4 Wales 0

OLTON: Veterans Cup Winners Cup: Final standings: 1, Khalsa (Warwa) 32pts; 2, East Grinstead 25, 3, Taunton Vale 21

MOTORCYCLING

MUGELLO: Italian Grand Prix: 500cc (23 laps, 75.397 miles). 1, M Doohan (Aus, Honda) 44min 20.790sec; 2, D Beattie (Aus, Suzuki) 44:24.518, 3, A Puig (Sp, Honda) 44:29.712; 4, S Itoh (Japan, Honda) 44:35.226; 5, A Criville (Sp, Honda) 44:37 100; 6, N Abe (Japan, Yamaha) 44:37 180; 7, A Barros (Br, Honda) 44:37.208; 8, L Reggiani (It, Aprilia) 44:55.537; 9, L Capirossi (It, Honda) 45:01.704; 10, P Chili (It, Cagiva) 45:15.522. World championship standings (after six races): 1, Beattie 119pts; 2, Doohan 95; 3, Puig 93; 4, Criville 72; 5, L Cadalora (It, Yamaha) 70; 6, Itoh 52; 7, Barros 49; 8, Abe 45; 9, Capirossi 35; equal 10 K Schwantz (US, Suzuki) and Reggiani 34. Constructors' championships: 1, Honda 138pts. 2, Suzuki 119; 3, Yamaha 78.

250cc (21 laps, 68 4 miles): 1, M Biaggi (It, Aprilia) 41min 06 275sec; 2, T Harada (Japan, Yamaha) 41:07.350; 3, M Lucchi (It, Aprilia) 41:10.766, 4, R Waldmann (Ger, Honda) 41:16.089; 5, T Okada (Japan, Honda) 41:16 136; 6, K Roberts jnr (US, Yamaha) 41:38.632, 7, N Aoki (Japan, Honda) 41:38.931, 8, P van den Goorbergh (Holl, Aprilia) 41 39.010, 9, J-P Ruggia (Fr, Honda) 41:39.180; 10, E Suter (Swtz, Aprilia) 41:44.566 World championship standings (after six races): equal 1 Biaggi and Harada 118pts; 3 Waldmann 87; 4 Aoki 65; 5 Okada 53; 6 Ruggia 49 Constructors' championships: 1, Aprilia 121, 2, Yamaha 118; 3, Honda 111.

125cc (20 laps, 65.583 miles): 1, H Aoki (Japan, Honda) 41min 24 470sec; 2, S Perugini (It, Aprilia) 41:24.474, 3, M Tokudome (Japan, Aprilia) 41:24.641; 4, P Oetl (Ger, Aprilia) 41:24.710; 5, K Sakata (Japan, Aprilia) 41:24.829; 6, T Manako (Japan, Honda) 41.31.815; 7, A Saito (Japan, Honda) 41:48.279, 8, Y Katoh (Japan, Yamaha) 41:48.530.
World championship standings: 1, Aoki 125pts 2, Perugini 73, 3, Sakata 60; 4, Saito 50; 5, E Alzamora (Sp, Honda) 47 Constructors' championships: 1, Honda 137.5, 2, Aprilia 99; 3 Yamaha 36.5

RUGBY LEAGUE

INTERNATIONAL MATCH: American Patriots 10 Wales 66 (in Philadelphia)

WINFIELD CUP: Canberra Raiders 50 Parramatta 12, Sydney Bulldogs 22 Sydney City 14 Gold Coast 16 Western Suburbs 26, Cronulla Sharks 34 North Queensland 10

RUGBY UNION

World Cup
Quarter-finals

England 25 Australia 22
(in Cape Town)
England: Try: T Underwood Con: Andrew. Pens: Andrew 5. Dropped goal: Andrew. Australia: Try: Smith Con: Lynagh. Pens: Lynagh 5.

New Zealand 48 Scotland 30
(in Pretoria)
New Zealand: Tries: Little 2, Bunce, Fitzpatrick, Lomu, Mehrtens. Cons: Mehrtens 6 Pens: Mehrtens 2 Scotland: Tries: Weir 2, S Hastings. Cons: G Hastings 3 Pens: G Hastings 3.

France 36 Ireland 12
(in Durban)
France: Tries: N'Tamack, Saint-Andre Con: Lacroix. Pens: Lacroix 8. Ireland: Pens: Elwood 4

South Africa 42 Western Samoa 14
(in Johannesburg)
South Africa: Tries: Williams 4, Andrews, Rossouw. Cons: Johnson 3 Pens: Johnson 2. Western Samoa: Tries: Nuualiitia, Tatupu Cons: Fasmasino 2

Tour matches

Fiji 59 England A 25
(in Suva)
Fiji: Tries: Masirewa 2, Sorovaki 2, Bari, Lilue, Rasila, Rauluni, Savai Cons: Turuva 6, Waqa. England A: Tries: Sheasby 2, Jenkins Cons: Hull 2 Pens: Grayson 2

Zimbabwe 22 Scotland A 43
(in Mutare)
Zimbabwe: Try: Noble Con: Noble. Pens: Noble 5 Scotland A: Tries: Eriksson 2, Turnbull. Cons: Laing 2. Pens: Laing 8

SCHOOLS SPORTS

CRICKET

Alleyn's 221-6dec, *Emanuel 86. *Ardingly 229, Reigate GS 139. Chatham House 147, *Dover Col 136-9. Cheltenham Col 158, *Repton 145-5 Clayesmore 167, *Embley Park 169-4. Christ's Hosp 217-6dec, *Whitgift 130. *Denstone 159, *Trent 162-4. *Eastbourne 204, Hurstpierpoint 209-6. Eltham 201-4dec, *Judd 137; Epsom 254-3dec, (N Harris 103 not out). *Lancing 115 Felsted 230-5dec. *Merchant Taylor's, Northwood 115, Forest 160-5. Brentwood 158 Framlingham 219. *Bishop's Stortford 222-6 Giggleswick 183-4dec *Leeds GS 85 Hampton 200-8dec, *Tiffin 206-2: John Lyon 183-4dec (K Merali 108 not out). *Queen Elizabeth, Barnet 158-4. *King's, Bruton 147, Blundell's 138 *King's, Taunton 275-4dec, (N J Raymond 100 not out). Monmouth 181 Mount St Mary's 89. *Newcastle-under-Lyme 100-3 N Hants U-19 197-9dec, *Stowe 136-6. *Oratory 236-6dec (J Urquhart 122 not out) Reading 76. Perse 78, *Ipswich 82-4. *Prior Park 181-7dec, Wells CS 111 *Queen's Taunton 144-7 Exeter 148. Ratcliffe 161-9, *Wellingborough 134-5 *Reed's 277-5dec (R Webster 108). Forty Club 190. *RGS Guildford 177. Charterhouse 178-7; RGS Lancaster 199 *Sedbergh 200-7, Rugby 235, *Oundle 237-7. *St Bedes 224-6, Cheadle Hulme 226-7. St Edmund's, Ware 107, *Cranbrook 108-4; St Edward's, Oxford 127 *Bedford 128-8. *St Johns Leatherhead 248-7dec. St George's, Weybridge 221-8 St Lawrence, Ramsgate 217-7. *King's, Rochester 127, Solihull 163, *Bromsgrove 165-1, Taunton 215-5 (D Law 109 not out), Clifton 213-9: The Leys 144-9, Kings Ely 76 *Tonbridge 279-1 (Pyemont 104; Band of Brothers 265-9. *Trinity 287 (D Robinson 120), Caterham 245-7 * denotes home side

SHOOTING

BARRY BUDDEN: Scottish championships: Lawrence Trophy (Teams of 12 at 300, 500 & 600 yds). 1, England 1,755.201. 2, Scotland 1,745.213

BISLEY: Freddy Payne Memorial Trophy: 1, RAF 1034.119. 2, Ibis RC 1,023.91. 3, Stock Exchange 1,019.98 Clayton Challenge (Schools 300 & 500 yds): 1, Marlborough 504.35. 2, Cheltenham 503.31 3, Wellington 503.29. Mick Nash Trophy (individual) 1, E Fletcher (Eton) 86.6. 2, T Holt-Wilson (Cheltenham) 67.8 3, N Caine (Marlborough) 66.9. 4, C Kerr (St John's) 66.7.

PISTOL TEAM MATCH (4s): Centre Fire: 1, Ancient Brits 2,219. 2, Army 2,172 Standard pistol: 1, Ancient Brits 2,176. 2, Army 2,120 Aggregate: 1, Ancient Brits 4395. 2, Army 4,292.

SWIMMING

BARCELONA: Mare Nostrum Tour: Men: Freestyle: 50m: A Popov (Russ), 22.54 200m: A Kasvio (Fin), 1.53.70 Backstroke: 200m V Selkov (Russ), 2.00.59. Butterfly: 200m: D Pankratov (Russ), 2.00.65. 3, J Hickman (GB), 2.02.97 Medley: 400m: Z Xie (China), 4.23.50. Women: Freestyle: 50m: C Na (China), 26.03 4, S Rolph (GB) 26.41 Backstroke: 200m: A Humphrey (US), 2.15.67 Butterfly: 200m: L Liu (China), 2.11.74 Medley: 400m Y Wu (China) 4.49.35

TENNIS

PARIS: French Open, Finals: Men: Singles: T Muster (Austria) bt M Chang (US) 7-5, 6-2, 6-4 Doubles: J Eltingh and P Haarhuis (Holl) bt N Kulti and M Larsson (Swe) 6-7, 6-4, 6-1 Women: S Graf (Ger) bt A Sanchez Vicario (Sp) 7-5, 4-6, 6-0 Doubles: G Fernandez (US) and N Zvereva (Belo) bt J Novotna (Cz) and A Sanchez Vicario (Sp) 6-7, 6-4, 7-5 Mixed doubles: L Neiland (Lat) and M Woodforde (Aus) bt J Hetherington (Can) and J-L De Jager (SA) 7-6, 7-6. Boys: Singles: Final: M Zabaleta (Arg) bt M Puerta (Arg) 6-2, 6-3. Girls: Singles: Final: A Cocheteux (Fr) bt M Weingartner (Ger) 7-5, 6-4

BECKENHAM: International tournament: Men: Semi-finals: A Richardson (GB) bt J Frana (Arg) 6-4, 2-6, 7-6, P Korda (Cz) bt P Hand (GB) 6-3, 6-7, 6-4 Women: Final: E Callens (Bel) bt R Fairbank-Nideffer (SA) 6-2, 6-3

TRIATHLON

WINDSOR: National distance championships: Men: 1, S Smith 1hr 47min 34sec. 2, R Allen 1:51 03. 3, S Burton 1 52 35. Women: 1, L Sollars 2:06 09. 2, A Hollington 2:08.34. 3, R Horn 2.09 39

YACHTING

ROUND THE ISLAND RACE: CHS Class 1: 1, Camp Freddie (G Peck). 2, Crackerjack (K Miller). 3, Crusader (R Matthews). Class 2: 1, Alvine X (H Evans): 2, Stampede II (P Drake). 3, Blush (G Redpath) Class 3: 1, Reflex (P and J Blake). 2, Xanadu (R Moles). 3, Next-Jekyll (A McIvrine). Class 4: 1, Red Arrow (A Waddell). 2, Highlander (G Logan). 3, Summer Pudding (D Knight). Class 5: 1, Quencher (A and S Webster). 2, Kelt Braz (A Bice). 3, Anon (G Colbourne) Class 6: 1, Eye-Eye (J Crockatt). 2, Alvine XI (A Evans). 3, Flair II (J Macgregor) Class 7: 1, Quokka (T and J Rutter). 2, French Beret (P Dyer). 3, Local Hero II (D Forster) Class 8: 1, Honey of Bosham (D Palmer). 2, Circe (D Thomas) 3, Aliseo (E Smith) Class 9: 1, Ace of Hearts III (I Hart) 2, Addict II (Handley) 3, Leda (D Brown and F Bergman). Class 10: 1, Polly (J Wilkinson). 2 Menace (G Lawton). 3, Burhou (C King and D Wilks) Class 11: 1, Slingshot (R Newman); 2, Dynamite (J McIntosh), 3, Scampalong (P Henning) Class 12: 1 Gopher-Broke (G Maskall). 2, Knockandoo (C Mckeon) 3 Pouncer (R Evans)
Gold Roman Bowl: Overall winner: Camp Freddie.
Non-rated Class A: 1, Forty Two Point Seven (C Little). 2, By Pass (G Howe). 3, Gambit (Surrey and Sussex Sailing School). Class B: 1, Sunsail November (Sunsail Worldwide). 2, Act Of Defiance (Five Star Sailing). 3, Sunsail Tango (Sunsail Worldwide). Class C: 1, Chartreuse (V and P Nowell); 2, White Lady (Five Star Sailing): 3, Cosmic (B Mills). Class D: 1, Macloo (J White) 2 Seagem (R Roscoe): 3, Sanctacaro (J Graham) Class E: 1, Highwayman (R Foyle) 2, Resolution (N Burt and D Fallis). 3, Fayme (G Roberts) Class F: 1, Thembi (Viscount Chelston) 2, Mystic Tide (M Mair). 3, Cumthumbrum XII (I Philips) Class G: 1, Berserker (B and C Watson). 2, Counterpoint (P Clark). 3, Allegra of Wight (B Heywood) Class H: 1, Cragan (Colonel K McKenzie-Walker) 2, Leaway (H Lee). 3, Pink Panther (M Sharps) Class J: 1, Heavens Above V (C Anderson). 2, Dedicated Dancer (D Robinson), 3, Adente of Purbeck (I and L Horne) Class K: 1, Solon (A Maskell) 2, Pickles (A Blunn) 3, Antares (A Lister). Class L: 1, Clarissa (J Langdon). 2, Fleur Vigeur (M Burroughs). 3, Contessa Maria (Sequi/Beardsall) Class M: 1, J-Toad (D Fawcett). 2, Shoshana Rose (D Sebag-Montefiore) 3, Adagio of Wight (J Evans) Contessa 32: 1, Blanco (R Rouse) 2, Wight Rabbit (P Ralls). 3, Red Apple (M Jaffe) Nicholson 32: 1, Happy Girl A (A Braim) 2, Judicious (T Howard). 3, Betrana (R Silence) E-Boat: 1, Eagle (M Holder and R Clarke). 2, Scoff-E (J Vickers). 3, Ease (A Parham) Folkboat: 1, Tuiter (S Murray). 2, Anette (C Dobner). 3, Blue Mist (T Case) Hunter Medina: 1, Karolu (J Williamson) 2 Bilbery Lass (T Bower) International J24: 1, Enuff Said (A Roberts). 2, Joint Venture (C Simonds). 3, Jessica Rabbit (J Shorrock) Sonata: 1, Cadenzza (J Froy). 2, Xantz (M Tennant). 3, Piccolo (M Harrington) Trapper 300: 1, Google-Eye (P Stables). 2, Floater (B Aston) 3, Double Trouble (E Smith) International Dragons: 1, Fanfare (M Issaas). 2, Gaia (K Skelsey). 3, Geryon (P Colville) Etchells: 1, Yes (A Gosling): 2, Jessica (R Power). 3, Suzie (W D'Arcy) Old Gaffers: 1, Simba (C Hambidge), 2, Charlotte Ellen (J Bardwick) 3, Jolie Brise (T Marris) Modern Gaffers: 1, Thrift (J Keeping). 2, Lady Iris (P Dibben). 3, Betsy of Emsworth (Sir John Woodward) Multihull Micros: 1, Firebird II (G Goff and K Bliss). 2, Phoenix (G Hutchings). 3, Sola (C Thornton) Multihull Cruisers: 1, Naga (R Herbert). 2, U-Pho (R Spells). 3, Gazprom (V Belyakov)

BEDFORD: International Games: Men: 100m: 1, D Joyce (Bedford) 10.33sec; 2, S Wariso (Haringey) 10.40; 3, P Goedluck (Belgrave) 10.43. 200m: 1, Wariso 20.55; 2, A Patrick (Windsor) 20 62; 3, Goedluck 20.88. 400m: K Conlon (Ire) 49.17. 800m: I Mansfield (Lincoln Wellington) 1:56.18. 1,500m: S Wilson (Team Solent) 4min 04.10sec. 110m hurdles: 1, D Cooper (Australia) 14 33; 2, E Harrison (Thames Valley) 14.88; 3, A Carter (Thames Valley) 14.90. 400m hurdles: E Betts (Queen's Park) 52.6sec. High jump: G Parsons (Blue Circle) 2.08m. Shot: F Hyde (Old Gaytonians) 15.94m. Women: 100m: 1, S Douglas (Sale) 11.39; 2, P Thomas (Trafford) 11.46, 3, J Agyepong (Shaftesbury Barnet) 11.72. 200m: 1, Thomas 23.20; 2, Douglas 23.33; 3, S Jacobs (Shaftesbury Barnet) 23.48. 400m: D Fraser (Croydon) 54.72sec. 100m hurdles: 1, Agyepong 13.58sec; 2, M Wilkins (Aldershot, Farnham and District) 13.81. 400m hurdles: J Parker (Team Solent) 58.8sec. High jump: L Haggett (Croydon) 1.86m. Pole vault: 1, K Staples (Commonwealth and British record) 3.70m; 2, R Clarke (Ipswich) 3.20; 3, C Ridgley (Team Solent) 3.20. Triple jump: D Rowe (Coventry Godiva) 11.64m. Discus: E Beales (Milton Keynes) 54.88m; 2, T Axten (Hounslow) 53.62. Hammer: 1, L Shaw (Gloucester) 64.90m (Commonwealth and British record); 2, S Mathes (Germany) 59.54; 3, I Beyer (Germany) 56.52.

ALDERSHOT: Army Championships: Winners: Men: 100m: Sgt C Callender (17 Mar Regt) 10.96sec. 200m: Maj D Hancock (PWO) 22.24. 400m: Rus D Nolan (1 RRF) 47.70. 800m: S/Sgt J Bythell (5 Regt RA) 1:58.65. 1,500m: Sgt R Finch (3 Para) 4:00.08. 5,000m: Cpl A Shepherd (2 Sig Regt) 14:45.68. 3,000m steeplechase: Cpl C Palmer (1 RSME) 9:39.03. 110m hurdles: Cpl T Tomkinson (2 Sig Regt) 15.02sec. 400m hurdles: Cpl C Beaumont (1 Bn REME) 56.30. Pole vault: Lt D Hall (RMCS) 3.50m. Long jump: Capt T Gyorffy (3 Div Sig Regt) 6.61m. Triple jump: Pte D Dods (27 Regt RLC) 13.34m. Shot: L/Cpl M Wiseman (HQ3 UK Div) 14.65m. Discus: S Sgt N Killen (2 Sig Regt) 42.18m. Hammer: Cpl S Jones (2 Sig Regt) 49.58m. Javelin: S/Sgt R Mullen (5 Regt Wksp) 60.12m. Women: 100m: Cpl L Jackson (HQ NI) 12.66. 200m: Jackson 26.60. 400m: Sig C Michalska (2 Sig Regt) 61.69. 800m: Sgt K Holmes (Household Div) 2:9.12. 100m hurdles: Cpl E Churchley (HQ RMP BFPO1) 15.92sec. 400m hurdles: Capt E McKinney-Bennett (NNett 22SAS) 61 17sec High jump: Sgt S Paul (HQ Amus) 1.60m. Long jump: Churchley 5.25m. Triple jump: Paul 10.79m. Shot: Cpl S Terry (16 Sig Regt) 9.83m. Discus: Terry 36.52m. Javelin: Pte L Morrison (20 Sqn RLC) 37.69m.

BEDFORD: Asics six-mile road race: Men: 1, T Graham (Newport) 29:49; 2, K Lamb (Tipton) 30:32; 3, P Slobett (Bedford) 30:35. Veteran: D Mclean (Coventry Godiva) 31:26. Women: 1, E McKenzie (Massey Ferguson) 35:02.

BLAYDON: Federation Brewery Newcastle to Blaydon road race (5.7m): Men: 1, B Rushworth (Sunderland) 26:52; 2, S Bell (Chester-le-Street) 27:10; 3, M Smith (Gateshead) 27:37. Team: 1, Gateshead 38; 2, Morpeth 52; 3, Chester-le-Street 77. Veteran: L Atkinson (Morpeth) 28:02. Women: 1, S Allen (Houghton) 33:05; 2, E Robinson (Border) 33:18; 3, J Coleby (Durham City) 33:31.

GRAZELEY: Open Ten-mile road race: 1, D Hurdwell (Maidenhead) 31:33; 2, N Bull (Newbury) 32:14; 3, M Hogge 34:00. Veteran: M Overton 34:42. Women: 1, C Stevens (Reading) 37:39; 2, L Dodwell (Reading) 39:38; 3, C Bowker (Reading Road Runners) 41:09.

TELFORD: Wellington Wobble Four-mile road race: 1, D Mansbridge (Telford) 19:20; 2, V New (Telford) 19:22; 3, T Milosorov (Tipton) 19:31. Veteran: I Stanton (Telford) 20:20. Women: 1, K Burge (Chase Triathletes) 23:04; 2, C Gardener (Telford) 23:37; 3, A Holroyd (Wolverhampton and Bilston) 24:08.

CHIGWELL: Open Road Race (10m): Men: 1, E Knox (Croydon) 53:11; 2, A Catton (Ilford) 53:14; 3, S Saar (Woodford Green) 53:17. Team: 1, Woodford Green; 2, Orion; 3, Ilford. Women: 1, J Halestrap (Bishops Stortford) 1:04:20; 2, A Clarke (Orion) 1:08:18; 3, R Papachristou (Orion) 1:12:38. Team: Orion. Veteran: P Jones (Ilford) 1:14:38.

REIGATE HILL: Rotary Five-mile road race: Men: 1, M Airey (Boxhill Racers) 27:10; 2, S Bishop (Holland Sports) 27:30; 3, I Kitching (Unattached) 28:13. Team: Reigate Priory. Women: 1, P Flynn (Stragglers) 31:19; 2, M Andrew (Belgrave) 33:09; 3, C James (South London Harriers) 33:30. Team: Reebok Sisters. Veteran: J Quantrill (South London Harriers) 34:58.

WARGRAVE: Reebok road race (10km): Men: 1, D Hurdwell (Maidenhead) 32:23; 2, E Cunningham (Aldershot, Farnham and District) 32:30; 3, H Richards (Overton) 33:19. Women: 1, J Noad (Wargrave) 40:30; 2, J Heffernan 41:24. 3, C Bowker (Reading Runners) 42:28.

WORTHING: Open 10km road race: 1, M Howard (Phoenix) 31:35; 2, K Howard (Boxhill Racers) 31:58; 3, H Mountcastle (Hastings) 32:01.

Spencer Smith leads the field during the 40-kilometre cycling stage of the British Olympic distance Triathlon at Windsor yesterday. He won by three minutes. Report: Page 32. Photograph: Julian Herbert

FOOTBALL

Umbro Cup

SWEDEN (0) 2 JAPAN (1) 2
Andersson 53 59 — Fujita 9, Kurosawa 85
5,591

Yesterday

ENGLAND (1) 1 BRAZIL (0) 3
Le Saux 38 — Juninho 54, Ronaldo 61, Edmundo 76
67,318

	P	W	D	L	F	A	Pts
Brazil	3	3	0	0	7	1	9
England	3	1	1	1	6	7	4
Sweden	3	0	2	1	5	6	2
Japan	3	0	1	2	3	7	1

European championship
Qualifying group six

IRELAND (0) 1 AUSTRIA (0) 3
Houghton 65 — Polster 69, 78, Ogris 72
33,000

	P	W	D	L	F	A	Pts
Portugal	6	5	0	1	17	5	15
Ireland	7	4	2	1	14	4	14
Austria	6	4	0	2	20	4	12
N Ireland	7	3	1	3	10	11	10
Latvia	7	2	0	5	6	15	6
Liechtenstein	7	0	1	6	1	28	1

European U-21 championship
Qualifying group six

IRELAND (2) 3 AUSTRIA (0) 0
Durkan 21, Perkins 45, 61
1,654

	P	W	D	L	F	A	Pts
England	6	5	1	0	11	1	16
Portugal	5	3	2	0	8	1	11
Ireland	5	1	2	2	5	5	5
Latvia	6	0	2	4	1	11	2
Austria	4	0	1	3	1	8	1

TOULON INTERNATIONAL TOURNAMENT: Group B: England 1 Angola 0; Brazil 3 Malaysia 0.

BULGARIAN LEAGUE: Levski 4 Etur 0; Lokomotiv G Oryahovitsa 2 CSKA 2; Lokomotiv Sofia 3 Slavia 2, Spartak 1 Pirin 0; Lokomotiv Plovdiv 8 Beroe 0, Shumen 3 Neftohimik 2, Montana 4 Lex 0; Dobrudja 2 Botev 2. Final positions (after 30 matches): 1, Levski, 79 points, 2, Lokomotiv Sofia, 68, 3, Botev, 60.

CLUB MATCHES: AC Milan 5 Shimizu S-Pulse (Japan) 1, Kashima Antlers 2 Paris Saint-Germain 3.

OLYMPIC QUALIFYING ROUND: Asian zone Group B; Japan 6 Taiwan 0

AFRICAN CUP WINNERS' CUP: Second round, second leg: Julius Berger (Nigeria) 3 AS Nianan de Koulikoro (Mali) 1 (Julius Berger win 8-1 on aggregate)

SPANISH LEAGUE: Celta 0 Real Madrid 2. Barcelona 0 Albacete 1 Deportivo La Coruna 5 Logrones 0 Valencia 4 Compostela 1

	P	W	D	L	F	A	Pts
Real Madrid	37	23	9	5	76	27	55
Deportivo	37	19	11	7	60	30	49
Barcelona	37	17	10	10	58	45	44
Betis Sevilla	36	13	16	7	42	24	42
Sevilla	36	16	10	10	52	37	42
Real Zaragoza	36	18	6	12	54	47	42
Espanol	36	14	13	9	50	34	41
Athletic Bilbao	36	15	10	11	38	40	40
Real Sociedad	36	12	13	11	56	43	37
Real Oviedo	36	12	13	11	44	40	37
Valencia	36	12	11	13	47	45	35
Tenerife	36	13	8	15	56	54	34
Albacete	37	10	14	13	42	53	34
Celta Vigo	37	10	14	13	33	48	34
Atletico Madrid	36	12	8	16	52	52	32
R Santander	36	11	10	15	39	47	32
Compostela	36	10	12	14	41	52	32
Sporting Gijon	36	8	12	16	41	62	28
Real Valladolid	36	7	9	20	22	61	21
Logrones	37	2	9	26	15	76	13

GERMAN LEAGUE: Munich 1860 1 Kaiserslautern 3, Dynamo Dresden 0 Bayern Munich 1, Werder Bremen 2 SC Karlsruhe 1; VfL Bochum 5 Schalke 04 1, Freiburg 1 Bayer Uerdingen 0, Borussia Mönchengladbach 3 VfB Stuttgart 1, MSV Duisburg 2 Borussia Dortmund 3; Hamburg 3 Eintracht Frankfurt 1. Cologne 3 Bayer Leverkusen 3.

WOMEN'S WORLD CUP: Group B: In Karlstad: England 3 Nigeria 2, In Gavle Norway 7 Canada 0 Group C: In Vasteras China 3 Denmark 1. In Helsingborg United States 4 Australia 1. Friday: Sweden 2 Japan 0; Germany 6 Brazil 1.

Group B

	P	W	D	L	F	A	Pts
Norway	3	3	0	0	17	0	9
England	3	2	0	1	6	6	6
Canada	3	0	1	2	5	13	1
Nigeria	3	0	1	2	5	14	1

Group C

	P	W	D	L	F	A	Pts
USA	3	2	1	0	9	4	7
China PR	3	2	1	0	10	6	7
Denmark	3	1	0	2	6	5	3
Australia	3	0	0	3	3	13	0

Top two in each group qualify for the quarter-finals

ITALIAN LEAGUE: First-division play-off: Padova 1 Genoa 1 (Padova win on penalties 5-4; Genoa relegated to second division)

PORTUGUESE CUP: Final: Sporting Lisbon 2 Maritimo Funchal 0

AMERICAN LEAGUE

RESULTS: Oakland 8 Boston 5; Seattle 3 New York Yankees 2; Baltimore 6 California 2; Kansas City 8 Toronto 2; Milwaukee 6 Cleveland 1, Detroit 7 Minnesota 5. Postponed: Texas v Chicago White Sox.

East division

	W	L	Pct	GB
Boston	26	14	.650	—
Baltimore	19	21	.475	7
Detroit	18	24	.429	9
Toronto	16	23	.410	9½
New York	15	24	.385	10½

Central division

	W	L	Pct	GB
Cleveland	29	11	.725	—
Kansas City	21	18	.538	7½
Milwaukee	18	22	.450	11
Chicago	15	23	.395	13
Minnesota	12	30	.286	18

West division

	W	L	Pct	GB
Texas	25	17	.595	—
California	24	18	.571	1
Seattle	23	18	.561	1½
Oakland	22	20	.524	3

NATIONAL LEAGUE

RESULTS: Chicago Cubs 3 Colorado 0; Montreal 11 San Francisco 5; Pittsburgh 6 Florida 2, St Louis 7 Atlanta 3; Cincinnati 3 Houston 2; San Diego 4 New York Mets 2; Philadelphia 3 Los Angeles 0.

East division

	W	L	Pct	GB
Philadelphia	27	14	.659	—
Atlanta	23	18	.561	4
Montreal	24	19	.558	4
New York	16	26	.381	11½
Florida	13	27	.325	13½

Central division

	W	L	Pct	GB
Cincinnati	27	14	.659	—
Chicago	23	18	.561	4
Houston	19	21	.475	7½
St Louis	17	26	.395	11
Pittsburgh	15	25	.375	11½

West division

	W	L	Pct	GB
Colorado	24	18	.571	—
San Francisco	23	20	.535	1½
Los Angeles	20	22	.476	4
San Diego	19	22	.463	4½

NATIONAL LEAGUE (NHL): Stanley Cup: Play-off: Eastern Conference: Finals: Philadelphia 4 New Jersey 2 (best-of-seven series tied 2-2).

CLUB CRICKET

DERBYSHIRE BUILDING SOCIETY ABBEY GLASS LEAGUE: Stainsby 169-4, Heanor 168-9: Wirksworth 206-8, Ilkeston 205; Denby 173-7, Ockbrook 176-3; Quarndon 167-8, W Hallam 136; Aston 167-5, A&B 249-8; Langley M 155, Sawley 100-8.

BRYAN HERTFORDSHIRE LEAGUE: Hitchin 191, Letchworth 222; North Mymms 111-1, Langleybury 110; Hoddesdon 81, Luton Town 136; Radlett 179-7, West Herts 213-9; Hertford 199-8, Berkhamsted 128; Sawbridgeworth 150, Welwyn Garden City 153-7; Hemel Hempstead 228-2, Bishops Stortford 227-8; St Albans 212-5, Watford Town 210-8; Cockfosters 171, Cheshunt 203-8; Barnet 101-6, Stevenage 222-9.

OXBRIDGE YORKSHIRE LEAGUE: Sheff Coll 234-7, Harrogate 233-5; Scarborough 130-3, Driffield 128-8; York 198-8, Appleby Frod 194; Castleford 140-0, Barnsley 137-8; Doncaster 207-7, Rotherham 96; Hull 158-4, Cleethorpes 155-7, Sheff Utd 206-8, Yorks Acad 276-8.

WINDSOR LIFE CHESHIRE COUNTY LEAGUE: Cheadle Hulme 161-7, Heaton Mersey 191-4dec; Didsbury 233-3dec, Bowdon 140-8; Macclesfield 175-4, Warrington 172-8dec; Poynton 101-2, Alsager 99; Timperley 90, Toft 91-3; Widnes 132-1, Grappenhall 131-9dec.

VAUX RIBBLESDALE LEAGUE: Barnoldswick 160-7, Read 137; Cherry Tree 96, Edenfield 244-6; Earby 199-8, Baxenden 197-8; Padiham 167-7, Clitheroe 166; Ribblesdale W 150-9, Great Harwood 153-4; Whalley 192-3, Blackburn N 184-8.

MORRANT THAMES VALLEY LEAGUE: Beaconsfield 119, High Wycombe 120-8; Boyne Hill 148-0, Hounslow 145; Eastcote 202-8, Basingstoke 232-8; Finchampstead 218-8, Ickenham 188-8; Harefield 198-4, Harrow 194-7; Hayes 243-2, Chesham 218-7; Kidmore End 215-5, Wokingham 214-7; Maidenhead and B 185, Beesborough 246-6; OMT 234-8, Slough 212; Reading 217-8, Tring Park 124.

WILLIAM YOUNGER NORTH LANCASHIRE LEAGUE: Barrow 172-5, Whitehaven 170-9; Carlisle 89-5, Carnforth 191-8; Cleator 219-7, Penrith 218-8; Lindal 229-9, Furness 175-7; Millom 231-7, Askam 157-6; Ulverston 177-8, Vickers Sports 179-5; Vickerstown 137, Dalton 115; Workington 113-9, Havengg 169.

OXBRIDGE MIDLAND COMBINED COUNTIES LEAGUE: Aldridge 275-5, Worcester N 76-7; Kenilworth 215-5, Shaldon Marlborough 192-5; Marston Green 173-8, Highway 174-3; O Edwardians 207-5, Streetly 129-5.

VAUX NORTHERN CRICKET LEAGUE: Blackpool 181-8, Chorley 182-4; Darwen 188-8, Leyland Dat 129-8; Kendal 96, Morecambe 98-9; Lancaster 225-3, Fleetwood 202-8; Leyland 184-9, Preston 191-6; St Annes 162, Netherfield 163-3.

FORT STERLING BOLTON LEAGUE: Bradshaw 211-9dec, Little Lever 212-6; Egley 123-8, Astley Bridge 130; Farnworth 246-2dec, Kearsley 221-7; Farnworth SC 146, Walkden 119; Heaton 218-7dec, Egerton 197-8; Horwich 234-4dec, Westhoughton 188-6; Tonge 191-5dec, Greenmount 155-9.

CENTRAL CRICKET LEAGUE: Leicester Ivanhoe 179-6, Bedworth 132-8, Lichfield 180-8, Loughborough 164-4; Nuneaton 182-7, Blossomfield 183-5; Rugby 229-9. Kenilworth Wardens 232-8; Water Orton 140, Hinckley 105.

GAMLINS, STORRAR & COWDREY NORTH WALES AND CHESHIRE COMPETITION: Buckley 79, Prestatyn 205-8; Mold 129-9, Wrexham 108; Northop Hall 188-7, Irby 188-9; St Asaph 82-8, Caldy 83-2.

COLOUR ASSEMBLY ESSEX LEAGUE: Brentwood 144-4, S Woodford 143-9. Clayhall 175-8, Leigh On Sea 173-6; Fives Heron 53, Colchester 206-9. Gidea Park 176-2, Chelmsford 173, Ilford 210, Hutton 148-9; Loughton 222-5, Woodford W 225-2. Orsett and T 172-8, Westcliff 203-6. Saffron Walden 125-6, Hadleigh and T 122; Wanstead 118-9, Southend 115

BASS NORTH WALES CRICKET LEAGUE: Bangor 107-8, Gresford 67, Brymbo 150-3, Halkyn 149-5, Connahs Quay 111, Pontblyddyn 129; Llandudno 141, Marchwiel 143-6, Mochdre 197-7, Llay 91, Shotton 145-7, Bethesda 112.

SOUTHDOWN MIDDLESEX COUNTY LEAGUE: Brondesbury 205-6, Finchley 204-7dec; Ealing 159, Shepherds Bush 160-6; Hampstead 176-8dec, Wembley 177-4; N Middlesex 99, Hornsey 102-3; Southgate 202-8dec, Brentham 138-7, Stanmore 137, Richmond 103; Uxbridge 166, Teddington 220. S Hampstead 197-8dec, Enfield 186-5

WOOLWICH KENT LEAGUE: Ashford 147, Bexley 189-9; Chestfield 148-8, Blackheath 180-6, Dover 198, Folkestone 211-3; Hayes 173-9, Bromley 249-5, Sevenoaks Vine 157-2, Gravesend 158; St Lawrence 181-0, Holmesdale 180-5; The Mote 154-8, Gore Court 153-8.

APS TWO COUNTIES LEAGUE: Bury St Ed 114, Halstead 68, Sudbury 151, Clacton 152-1; Wivenhoe 110-2, Maldon 106

EVE SURREY CHAMPIONSHIP: Bank Of England 190-8, Honor Oak 221-7dec, Banstead 179, Sutton 180-4; Cheam 161-5, Ashford 160; Dulwich 153, Esher 131-8; Farnham 158-7, Spencer 223-7dec, Guildford 203-3, Old Whitgiftians 202; Limpsfield 169-7, Mitcham 196-8dec, Shepperton 131, Weybridge 132-8; Sunbury 243-5dec, Malden Wanderers 239-5; Walton On Thames 226-5dec, Cranleigh 119-9; Wimbledon 138-2, Metropolitan Police 137

GREENE KING SOUTH THAMES LEAGUE: Sidcup 245-6, Bexleyheath 134, Natwest Bank 98, Bickley Park 99-2, Old Dunstonians 177-6, Catford Cyphers 173-9; Hartley Country Club 248-7, Catford Wanderers 249-7, Blackheath Wanderers 190-8, Old Colfeians 284-6, Frindsbury 111, Orpington 94.

BRITISH GAS SOUTHERN LEAGUE: Bashley (Rydal) 144, Calmore Sports 216-8. Gosport Borough 138, United Services 88; Hambledon 135, New Milton 182-6; Havant 177-4, Petersfield 176-3; Hursley Park 139-9, South Wilts 143-4, Liphook and Ripsley 190-8, Winchester KS 245-3, Lymington 210-5, Hungerford 205-7, Old Tauntonians 237-5, Bournemouth 132-5, Portsmouth 272-6, Longparish 90

CYCLING

DAUPHINÉ LIBÉRÉ: Sixth stage (143km, from Briancon to Vaujany): 1, R Virenque (Fr) 4hr 15min 22sec; 2, J-C Robin (Fr); 3, M Indurain (Sp), 4, V Aparicio (Sp); 5, C Boardman (GB) all same time; 6, C Miranda (Sp) at 21sec. Seventh stage (159km, from Vaujany to Chambery). 1, F Jeker (Swtz) 4:03.31; 2, Boardman; 3, Virenque; 4, A Tchmil (Russ), 5, M Indurain (Sp); 6, Aparicio all same time. Final overall: 1, Indurain 28:51.32; 2, Boardman 2.21; 3, Aparicio 3:39; 4, Virenque 3:54; 5, Robin 4.06; 6, Miranda 6:43; 7, M Arroyo (Mex) 7:21, 8, A Mejia (Col) 8:20; 9, A Peron (It) 9:22; 10, T Laurent (Fr) 9:22

TIME-TRIALS: RTTC Women's national 25-mile championship (Bulphan, Essex): 1, Y McGregor (North Wirral Velo) 56min 0sec (championship record), 2, M Johnson (Oundle Velo) 57 16; 3, M Lawrence (Rockingham Forest Wheelers) 58 15 Team: Swaledale CC 2:58:52. Teesside CA (100 miles): 1, M Wright (Mickindge CRT) 4:00:55; 2, P Widsman (Barnesbury CC) 4:08:17; 3, I Murray (Stockton Wheelers) 4:15:01. Team: Stockton Wheelers (fastest third rider) 4:35.21 Aberdeen and District CA (100 miles). 1, D Gibson (GS Modena) 3 57 38 (course record), 2, P Duncan (Aberdeen Multisport) 4:09.39, 3, D Arthur (Deeside Thistle) 5:00.52 Team: Deeside Thistle 15:20:50 Finsbury Park CC (50 miles). 1, Z Carr (Leo RC) 1:44:35, 2, G Platts (Coalville Wh) 1:44:44, 3, G Dighton (Leo RC) 1:48:02. Team: Leo RC 5:19:22. Yorkshire CF (50 miles). 1, K Murray (Army CU) 1:48 48, 2, D Watts (Halifax RC) 1 49:40, 3, G Watts (Team Rapide) 1.52:25. Team: Velo Viento 5 45.37. Mid Devon CC (50 miles) 1, A Lyons (Plymouth Corinthian CC) 1 54.58, 2, A Parker (Mid Devon CC) 1.55:34; 3, A Ryder (St Budeaux CC) 1 57:52. Bynea CC (50 miles): 1, C Wallace (Hirwaun Wheelers) 1 58.28, 2, M Portlock (Abercynon RC) 2:04:15; 3 M Hiddlestone (Bynea CC) 2:04:53 Team. Bynea CC 6:31:12 Speedwell BC (Shropshire, hilly 45 miles): 1, C Mynill (Chesterfield Coureurs) 1:53 48; 2, D Kirby (Beacon RCC) 2.01:14; 3, M Counter (Beacon RCC) 2:02:35, Team: Glendale C and AC 6:28 52 Whitewebbs CC (Bedfordshire, 25 miles). 1, G Platts (Coalville Wheelers) 52.17, 2, L Rathbone (Tamworth RCC) 54.41, 3, G Mason (Mildenhall CC) 54:42. Team: Peterborough CC 2 52:57 Newmarket and District CC (25 miles) 1, S Hunt (VC Slough) 52:26; 2, A Newark (CC Breckland) 53 02; 3, P Fox (Southborough and District Wheelers) 54:11. Westerley RC (Didcot, Oxfordshire, 25 miles): 1, E Adkins (Leo RC) 53.19; 2, K Reed (34 Nomads) 53 33, 3, M Ascroft (VC St Raphael) 54:48. Team: Cwmcarn Paragon 2:56.21. Ayrshire and Dumfries-shire CA (25 miles): 1, D Nicholson (Thistle RC) 54.49 (course record); 2, R Todd (Loudoun RC) 56 35; 3, S Williamson (Loudoun RC) 57.09. Team: Loudoun RC 2.52.50 Dukinfield CC (25 miles) 1, I Ball (Team Sabre) 56 18; 2, A Hilton (Stretford Wheelers) 58 18; 3, D Sherring (Stockport Clarion) 58:34 Team: Congleton CC 3:08:44. Kent Valley RC (Cumbria, 25 miles): 1, G Nowland (Team Rapide) 57 52, 2, K Turner (Team Excel) 58:01, 3, G Woodhouse (Kent Valley RC) 58 04 Team: Kent Valley RC 2.57 21 Scunthorpe RC (10 miles): 1, J Wanman (Hull Thursday RC) 21 55; 2, D Arey (Featherstone RC) 22:37, 3, E Woollock (Lindsey RCC) 23 02. Team: Alford Wheelers 1 13 16.

ROAD RACES: Huddersfield RC (Birds Edge, 88 miles) 1, W Randle (Optimum Performance RT) 4.10:00, 2, S Farrell (Tunstall Wheelers) at 3sec. 3, M Lovatt (Optimum Performance RT) at 1:01 Tour of Mid-Wales (Aberystwyth, 75 miles) 1, M Stephens (North Wirral Velo) 2:59 39; 2, P Esposti (Cwmcarn Paragon) at 5sec, 3, M Harrison (Congleton CC) same time. Aylesbury CC (Brill, 68 miles): 1, P Spencer (Long Eaton CC) 2 47:00; 2, S Bray (Team Energy); 3, J Harrison (Letchworth Velo) both same time. Bournemouth Arrow CC (Lytchett Matravers, 63 miles) 1, K Martin (Bournemouth Arrow) 2:30:11, 2, C Gillman (Mid Devon CC), 3, G Pickford (Antelope RT) both same time.

TRACK: BCF National 8km championship (Market Harborough): 1, P Kennedy (Newark Castle CC) 13min 47sec, 2, D Downing (Jamor RT) at 21sec; 3, M Zaschke (E Anglian CC) at 30sec. National Bike Week meeting (National Cycling Centre, Manchester) Sprint: S Lynch (S Africa) bt J Taylor (Harlow CC) last 200m 11 755sec 3rd place: S Paulding (City of Edinburgh RC) Points race: 1, R Hughes (CC Abergavenny) 38 pts, 2, J Golden (S Africa) 35, 3, F Barnforth (TS Tameside) 19. 10km: 1, J Golden: 2, R Hughes, 3, J Hargreaves (TS Tameside) Time 12:38.6 Sprinters' scratch, 8km: 1, S Lynch, 2, C Hoy (City of Edinburgh); 3, N Hall (City of Edinburgh) Time, 10.32.165. Devil take the Hindmost: 1, J Golden; 2, R. Hughes, 3. A Dallison (Harlow CC).

MOUNTAIN BIKES: BMB National points series downhill (third round, Sheffield, 1500 metres): 1, S Gleed (Berkshire Cycles) 3min 1.4sec; 2, P Plunkett (unattached) 3:01 85; 3, S Peat (Saracen) 3:02.9. Overall: P Plunkett 54 pts; 2, S Gleed 41; 3, C Whitfield (Kammor) 35

GUIDE TO THE WEEK AHEAD

TODAY

CRICKET

Britannic Assurance county championship
11 0, final day of four
CHELMSFORD: Essex v Durham
CANTERBURY: Kent v Gloucestershire
OLD TRAFFORD: Lancashire v Glamorgan
NOTTINGHAM: Nottinghamshire v Worcestershire
THE OVAL: Surrey v Somerset
EDGBASTON: Warwickshire v Sussex

MINOR COUNTIES CHAMPIONSHIP (first day of two): Shifnal: Shropshire v Cornwall.

SECOND XI CHAMPIONSHIP (first day of three): Rocester, Abbotsholme School: Derbyshire v Middlesex. Darlington CC: Durham v Hampshire. Melton Mowbray: Leicestershire v Glamorgan. Oundle School: Northamptonshire v Worcestershire. Collingham: Nottinghamshire v Kent. Oxted: Surrey v Warwickshire. York CC: Yorkshire v Lancashire.

FOOTBALL

Toulon International under-21 tournament
Semi-finals
France v England (Stade P de Coubertin, Cannes, 6.0)
Brazil v Scotland (Stade de Fargea, Le Pontet, 8.0)

OTHER SPORT

RACING: Nottingham (2.30), Pontefract (2.45); Warwick (6 15), Windsor (6.30).

SPEEDWAY: Premier League (7.30): Exeter v Long Eaton; Reading v Swindon; Wolverhampton v Arena Essex.

TENNIS: Stella Artois Championship (Queen's Club); DFS Classic women's tournament (Birmingham).

TOMORROW

CRICKET

BENSON AND HEDGES CUP: Semi-finals: Canterbury: Kent v Somerset. Worcester: Worcestershire v Lancashire.

FOOTBALL

WOMEN'S WORLD CUP: Sweden: Quarter-finals (Gavle, 4.15; Karlstad, 4.15; Vasteras, 7.15 and Helsingborg, 7.15).

OTHER SPORT

BOXING: World Boxing Organisation Continental super-bantamweight championship (vacant): M Alldis (Crawley) v L Ramirez (Dom Rep) (Basildon).

GOLF: British Women's Amateur Championship (Royal Portrush).

RACING: Redcar (2.45), Salisbury (2.30).

WEDNESDAY

FOOTBALL

TOULON INTERNATIONAL UNDER-21 TOURNAMENT: Final (Stade Mayol, Toulon, 7.0).

OTHER SPORT

CYCLING: City Centre Series (Rochester).

RACING: Beverley (2.0); Hamilton Park (7.0); Kempton Park (6.40); Yarmouth (2.15).

GOLF: British Women's Amateur Championship (Royal Portrush).

TENNIS: Stella Artois Championship (Queen's Club); DFS Classic women's tournament (Birmingham).

THURSDAY

CRICKET

BRITANNIC ASSURANCE COUNTY CHAMPIONSHIP: Derby: Derbyshire v Somerset. Colwyn Bay: Glamorgan v Middlesex. Bristol: Gloucestershire v Hampshire. Leicester: Leicestershire v Nottinghamshire. Luton: Northamptonshire v Essex. Horsham: Sussex v Surrey. Worcester: Worcestershire v Lancashire. Headingley: Yorkshire v Kent.

TOUR MATCH: Edinburgh: Scotland v West Indians.

FOOTBALL

WOMEN'S WORLD CUP: Sweden: Semi-finals (Vasteras, 4.15 and Helsingborg, 7.15).

OTHER SPORT

GOLF: Jersey Open (La Moye); British Women's Amateur Championship (Royal Portrush).

RACING: Chepstow (6.45); Hamilton Park (2 15); Newbury (2.0); Yarmouth (6.30)

TENNIS: Stella Artois Championship (Queen's Club); DFS Classic women's tournament (Birmingham).

FRIDAY

CRICKET

OTHER MATCH: Fenner's: Cambridge University v Warwickshire.

OTHER SPORT

GOLF: Jersey Open (La Moye); British Women's Amateur Championship (Royal Portrush).

RACING: Edinburgh (6.55); Goodwood (6.40), Market Rasen (6.50); Sandown Park (2.15); Southwell (AW, 2.30), York (C4, 2.10).

TENNIS: Stella Artois Championship (Queen's Club); DFS Classic women's tournament (Birmingham)

SATURDAY

RUGBY LEAGUE

INTERNATIONAL MATCH: American Patriots v Wales (Philadelphia, 8 0pm)

FOOTBALL

WOMEN'S WORLD CUP: Sweden: Third place play-off (Gavle, 3 0)

OTHER SPORT

BOXING: World Boxing Organization flyweight championship A Jimenez (Mex, holder) v R Regan (Wales) (Cardiff)

GOLF: Jersey Open (La Moye): British Women's Amateur Championship (Royal Portrush), Scottish Amateur Strokeplay Championship (Paisley and Renfrew).

RACING: Bath (2.0), Lingfield Park (6.30); Leicester (6.40); Market Rasen (2.05). Sandown Park (2.20); Warwick (6.50); York (C4, 2.15).

TENNIS: Stella Artois Championship (Queen's Club); DFS Classic women's tournament (Birmingham)

SUNDAY

CRICKET

AXA EQUITY & LAW LEAGUE: Derby: Derbyshire v Somerset. Colwyn Bay: Glamorgan v Middlesex. Bristol: Gloucestershire v Hampshire. Leicester: Leicestershire v Nottinghamshire. Luton: Northamptonshire v Essex. Horsham: Sussex v Surrey. Worcester: Worcestershire v Lancashire Headingley: Yorkshire v Kent.

TETLEY BITTER CHALLENGE: Chester-le-Street: Durham v West Indians.

FOOTBALL

WOMEN'S WORLD CUP: Sweden: Final (Stockholm, 5.0).

OTHER SPORT

GOLF: Jersey Open (La Moye), Scottish Amateur Strokeplay Championship (Paisley and Renfrew).

TENNIS: Stella Artois Championship (Queen's Club), DFS Classic women's tournament (Birmingham).

POOLS CHECK

AUSTRALIAN RESULTS: Victoria: First division: 1 Knox City 0 Croydon C 2; Oakleigh 0 Western 1; Richmond 0 Broadm'dows 6; Thomastown 2 Bentleigh 0; Westgate 2 Caulfield C 3. Second division: Clifton Hill 3 Mooroolbark 2; Moorabbin 3 Altona City 0; Nunawading 1 E Brunswick 2; Regent 0 Bell Park 0; Ringwood C 1 East Altona 0; Springvale W 2 E Richmond 0; Waverley 4 Chelsea 0. Third division: Banyule 2 Sunbury 1; Frankston 1 S Caulfield 2; Melbourne C 1 Fitzroy 0; Sandringham 2 Pascoe Vale 4; Seaford Utd 1 Keilor 1; West Vale 7 Eltham Utd 2. Fourth division: Geelong 4 Brighton 0; Monbulk 4 Langwarrin 2; S Springvale 4 Corio 0; S Wantima 6 Doveton 1; Stonnington 1 Yarraville 2; Williamstown 1 Sun Heights 0. Fifth division: Geelong R 0 Brandon Pk 1. Heidelberg C 1 Glenroy 2; Lalor 7 Dandenong 1; Melton 1 Ballarat 1; Moreland 6 N Sunshine 0, Old Scotch 3 Springvale C 0. Western Australia: First division: Perth 4 Inglewood 0; Sorrento 4 Fremantle C 0; Spearwood 6 Bayswater 0; Stirling City 1 Swan IC 1. Second division: Ashfield 3 Kingsway 7; Bassendean 4 S Vardar 2, Melville 1 North Perth 2; Morley 1 Dianella 5; Rockingham 1 Balcatta 1; Southside 2 Cockburn 0. Third division: Armadale Pk 0 West Yugal 1; Balga 6 Bunbury 5; Perth City 1 Univ (WA) 3; S Vasto 0 Joondalup 4; Wanneroo 2 Queens Pk 1. South Australia: Premier League: Adelaide R 1 Blue Eagles 2: Campb'town 2 Salisbury 1; Modbury 0 Croydon 3; Port Lion 5 Woodville 0. First division: Adelaide City 2 Enfield 0; Cumberland 3 Noarlunga 1; Elizabeth 0 WT Birkalla 5; Olympians 0 Para Hills 4; Plympton 0 W Adelaide 0. Queensland: Fourth division: Samford 3 Redcliffe 6. Southside 0 Loganholme 2; Western S 3 South Star 0

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	3	2

30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
1	1	1	1	1	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1

FORECAST: Telephone claims for 19pts: dividend forecast is good with four score draws and two no-score draws.

Epsom needs partnership with BBC to raise Derby's profile

RICHARD EVANS

Racing commentary

Chris Evans, the flame-haired humorist of *Don't Forget Your Toothbrush* and, latterly, Radio 1 fame, was one of the few celebrities who accepted an invitation to attend the Derby on Saturday. While other stars joined all too many of the British public in staying away from Epsom, he more than made up for their absence when appearing in front of the televison cameras during the build-up to the big race.

Instead of uttering the usual platitudes about how lovely it was to be there, he dared to point out one of many home truths which have to confronted in the coming weeks. "There isn't any atmosphere," he said.

As Edward Gillespie, the managing director of United Racecourses, reflects this week on the first Derby to be run since he was brought in to mastermind what used to the world's most prestigious race, the enormity of the task facing him is only just becoming apparent.

The problems confronting Gillespie are not of his making. The Derby he inherited began its downward spiral some years ago due to a combination of poor management, worse marketing and the recession, reaching a nadir in 1992. As a result, the Blue Riband lost its priceless place in the premier league of sporting events and, more importantly, in the nation's consciousness.

Gillespie, the man largely responsible for the enormous success of the Cheltenham Fesitval, has begun to arrest the decline. Moving the paddock, where the momentum for a race commences, to behind the Queen's Stand has helped, although you needed to be seven foot tall to see the horses parading due to part of the spectator area sloping down and away from the paddock.

The different enclosures, including a new club area, have combined to put Derby day on a sounder financial footing, but moving the betting ring further away from the spectators was a big mistake. On-course bookmakers provide much needed atmosphere on any racecourse. The pricing for the various enclosures also needs to be examined.

The most radical change made by the new team at Epsom was to run the race on a Saturday rather than its traditional spot on a Wednesday. In theory, at least, more people are free to go racing at the weekend rather than midweek, but the switch means the Derby has lost even more of its individual identity. The Derby no longer enjoys a day of splendid isolation, when people could sneak a day off work and the sports pages of newspapers were devoted to the big race.

The Derby is now competing with the best of international sport and the public is confronted with an enviable choice on how to spend its *own* time and money. This year the opposition to Pennekamp *et al* included the first Test match and World Cup rugby. Next year the Derby clashes with the opening of the European football championship which will be held in England.

This year's crowd figures have convinced the Epsom team to persevere with a Saturday Derby next year. Paying customers were up by three per cent to 23,497 out of a total crowd of 54,266. However, the Oaks crowd of 8,000 on Friday was smaller than that attracted by Goodwood's evening meeting on the same day and yesterday only 5,000 people paid to go through the turnstiles.

Gillespie's toughest job is to revive the Derby's status in the eyes of the nation so that its appeal is on a par with the best football, cricket, rubgy and golf on offer. Time may show he has an impossible mountain to climb.

However, there is one avenue open to the Epsom team which they would be foolish to ignore. The Derby is covered by Channel 4, whose contract runs out after next year's race. The professionalism and authority of the likes of Jim McGrath, John Francome and Graham Goode cannot camouflage the fact they are working for a minority channel with an insignificant audience. Over the past couple of weeks, the channel has done its best to promote the race and yet only a tiny fraction of the British public will have seen their commercials.

The BBC, whose racing coverage has improved dramatically of late, should be allowed to screen next year's Derby alongside Channel 4. Imagine the potential impact of the BBC promoting the Derby in prime time slots before its flagship evening news programmes, as it does with other top sports events. The Derby needs the BBC — and vice versa.

Maktoums continue dominance with another classic celebration

Lammtarra vindicates Sheikh's faith

By Julian Muscat

THE records will say otherwise, but Lammtarra's victory in the 216th Derby was all about one man. After 15 unsuccessful attempts and with his Pennekamp, the hot favourite, long since beaten, Sheikh Mohammed's Tamure led Presenting and Fahal into the final furlong only for Lammtarra to scythe him down with irresistible power.

Disappointment swamped Lanfranco Dettori's features as he unsaddled Tamure but Sheikh Mohammed was at Lammtarra's side as the colt entered the winner's circle. If the livery was unfamiliar, the Sheikh himself was ecstatic. "This is a great moment for me," he said. "To have a horse coming from Dubai to win here gives me more pleasure than winning four Derbys."

Such have been the shifting sands of Sheikh Mohammed's approach. A lame favourite, another beaten close home but it counted for nothing. Through the Godolphin stable, Sheikh Mohammed has enacted his fantasy to front a training establishment. And Lammtarra became the most important horse in that stable from the moment Maktoum Al-Maktoum, the ruler of Dubai, dispatched him to the desert state in October.

Sheikh Mohammed may be the Crown Prince but he has treasured the support of his elder brother. Two years ago, when it was first established, Maktoum Al-Maktoum gave the Godolphin concept his blessing. But his entrusting of Lammtarra to the stable was an unexpected bonus. It made Sheikh Mohammed all the more determined to do his brother proud.

Even when Lammtarra contracted a serious abscess of the lung, the Sheikh would not accept what his closely-knit team told him was inevitable. "If you had seen Lammtarra in early March you would never have believed he would run in the race, never mind win it," said Simon Crisford, Godolphin's racing manager. "It looked like he was going to die. We recommended to Sheikh Mohammed that he didn't try to prepare Lammtarra for the Derby." But the Sheikh was adamant.

His brother's patronage meant that a Derby challenge was imperative. The newly-built Dubai Equine Centre has been pivotal to Lammtarra's return to health. Having made substantial donations to veterinary advancement in Britain, Sheikh Mohammed has established a monument to modern science in his own land.

Michael Hauser, the Kentucky veterinarian, was flown in to orchestrate Lammtarra's recovery. And the horse demonstrated the rugged constitution that was to serve him so well in the Derby.

Another hurdle loomed in Lammtarra's inexperience. His sole racecourse outing came at Newbury in August, when his defeat of Myself amplified what his trainer, the late Alex Scott, had previously shouted from the rooftops.

Lammtarra's victory so vindicated his former trainer, whose ability, despite his tender years, was already a matter of record. How proud he would have been to see Lammtarra, an impeccably bred horse by Nijinsky from Snow Bride, the 1989 Oaks winner, defying his inexperience on Saturday. And how appropriate it was that Walter Swinburn, his great friend and ally, was in the saddle.

As Crisford stressed yesterday: "We leave nothing to chance. At no stage have we been guessing about what we are doing." To combat his inexperience, Lammtarra embarked on a series of canters around an oval track with tight, left-handed turns and a consistent racing surface throughout the year. This, allied to the favourable Dubai climate, ensures no interruptions to his training. Everyone at Godolphin, from the Pakistani grooms to the international posse of work riders, is hand-picked. So are the horses. Having been initially sifted in Britain, they are subjected to a further selection process in Dubai. There are 40 slots on the return flight to Newmarket, leaving 30 behind to race on the desert sands. Those 40 represent the cream. They are thoroughly tested by the plethora of talented lead horses resident in Dubai. They know their job; since April, six of them have won group one races at venues from California to Tokyo.

Pennekamp, who finished lame, is to be X-rayed tomorrow. He appears less seriously injured than first thought, although he was very sore yesterday. "The problem is his off-fore knee," said his trainer, Andre Fabre. "Provided no bone chips or fractures are discovered, I am confident he will recover quite quickly."

Spectrum and Maralinga were also sore yesterday, although their respective trainers do not anticipate lengthy absences from the track. Daffaq was not so fortunate; he was put down on Saturday after fracturing a knee.

What now for Godolphin, which, after taking the Oaks with Moonshell on Friday, has annexed three European classics in the space of four weeks? Will Sheikhs Hamdan and Ahmed, who have significant racing interests in Britain, pluck the best of their promising two-year-olds for a winter preparation in Dubai? Only time will tell.

Sheikh Mohammed insisted Godolphin would not expand beyond its present capacity of 70 horses. But few will envy trainers on the Maktoum family payroll. They will approach the onset of autumn, when the Dubai hit-list is compiled, with considerable anxiety.

Diary, page 18
TV Action Replay, page 26

Swinburn shows his delight as Lammtarra, left, produces a powerful finish to deny Tamure, white cap, in the Derby at Epsom on Saturday

BIG-RACE DETAILS

Going: good to firm

3.50 VODAFONE DERBY STAKES (Group 1: 3-Y-O colts and fillies £504,500: 1m 4f 10yd)

LAMMTARRA ch c Nijinsky - Snow Bride (Saeed Maktoum Al Maktoum) 9-0 W R Swinburn (14-1) 1.

Tamure b c Sadler's Wells - Three Tails (Sheikh Mohammed) 9-0 L Dettori (9-1) 2.

Presenting br c Mtoto - D'Azy (G Strawbridge) 9-0 C Asmussen (12-1) 3.

ALSO RAN 11-8 fav Pennekamp, 5 Spectrum, 8 Munwar, 16 Riyadian, 20 Vettori (5th), 25 Humbel, 50 Fahal (4th), Salmon Ladder, 66 Court of Honour (5th), 150 Korambi, 200 Maralinga, 500 Daffaq. 15 ran. 1l, ¾l, 1¼l, sh hd, 3l. Saeed bin Suroor at Newmarket. Tote: £13.40; £2.90, £1.90, £2.70. DF: £49.70. Trio: £129.80. CSF: £116.16. After a stewards' inquiry, result stood. Time 2min 32.31sec (course record).

FASTEST DERBY TIMES

Time	Winner	Trainer	Jockey	Year
2min 32.31sec	Lammtarra	S bin Suroor	W R Swinburn	1995
2min 33.80sec	Mahmoud	F Butters	C Smirke	1936
2min 33.84sec	Kahyasi	L Cumani	R Cochrane	1988
2min 33.90sec	Reference Point	H Cecil	S Cauthen	1987
2min 34.00sec	Generous	P Cole	A Munro	1991
2min 34.16sec	Erhaab	J Dunlop	W Carson	1994
2min 34.27sec	Golden Fleece	M V O'Brien	Pat Eddery	1982

Tradition feels rising heat of solar power

SIMON BARNES

At The Derby

Sun. The sun is life. It is the first link in the food chain. We all eat the sun at second, third and fourth hand. The sun was the beginning of religion, the first god, the visible principle of life. Warmth, growth, food, comfort, even sanity, depend on the sun.

Medical people talk about Seasonally Affected Disorder, or SAD: a physiologically-based depression that comes to people who see too little of the sun. The loss of daylight is for many an annual trigger for misery, even despair.

On sunny days in spring, Brits go daft with relief. They explode into extraordinary clothes, or lack of them, shirtless, short-clad, or in skirts you must measure with a micrometer.

Meanwhile, in deep midwinter, Linford Christie and the rest seek to soak up sun in warm-weather training: they work in weather where soft tissue does not feel likely to crack at every exertion, weather in which you feel better about the whole concept of training.

To say that the training of racehorses is run on traditional lines is like saying the same of Eton. Year after year, racing stables and Eton produce the same types in the same way.

How does it work? In winter, a racehorse's training schedule involves his morning canter, plus 23 hours in his box. A colt cannot loaf around a field soaking up what little light and sun there is available. Racehorses are not only, at least potentially, a million quid or so a time, they are also stallions, and stallions tend to fight and kick each other in their million dollar legs.

The outdoor option is gone before you start: instead the long, dark, gloomy stand and stamp and shuffle in a loose-box, punctuated by the daily hour of labour.

It is not the ideal happy life your average horse-owning Brit chooses for his or her own animal, but there is no other option for a young racehorse whose fortune is in his legs and in his genes. Until now.

I was at Epsom last year, when the Dubai Experiment was in its first year, and Balanchine won the Oaks. The horses winter in Dubai, in the balmy winter heat of 75 degrees. That dry heat: it soaks into your bones and for those of a certain age, it takes years off you.

And so, for the first time ever, we have a radically new way of training a racehorse. In England, we can work to give the horse better food, better ground, better veterinary care, better handling, a better programme of work. But no one can provide the first principle: better life. The sun.

Do horses suffer from Seasonally Affected Disorder? Perhaps so, for horses are creatures of mood and caprice. And certainly the reverse is true. "He's better now he's got the sun on his back," we say. And horses clearly revel in Unseasonal Euphoria of Dubai sun.

Last year we talked about the Dubai Experiment: now we must talk about the Dubai Operation, because we have moved beyond trial. On Friday, the Operation won the Oaks, on Saturday the Derby as the course record was shattered.

Sheikh Mohammed was as near to babbling euphoria as a man so conscious of his worth is ever likely to get. Teamwork, he insisted, again and again. It all works with a raft of trainers and vets and experts; a team, yes, but no one is in serious doubt about the captain.

Everything is new about this. In British racing, an owner is a tiresome necessity, whose only power is in his purse and the ageless threat: "I'll take my bloody horses elsewhere."

Sheikh Mohammed, a man who knows about power, has made the owner the top man in racing, leaving all those Newmarket grandees eating the dust of his passage. The Arab contribution to British racing is not purely financial. Sheikh Mohammed has added brains, lateral thinking and sheer power. And he might just have turned the game upside down.

In a year and a bit, Godolphin Racing, the proper name of the Dubai Operation, has shown the acceleration of Lammtarra himself. "I was praying for daylight," said his jockey, Walter Swinburn.

The field parted before him, and the horse, trained in the eternal daylight of Dubai, was fired at the target like an arrow from a bow. And, in one of the richest and busiest weekends in the history of British sport, there was no more glorious sight than Lammtarra's final charge. Lammtarra: the horse that harnessed the power of the sun.

LEGAL & PUBLIC NOTICES 0171-782 7344

PUBLIC NOTICES

NOTICE is hereby given that the ANNUAL GENERAL MEETING of THE FORCES HELP SOCIETY AND LORD ROBERTS WORKSHOPS will be held at The Rembrandt Hotel, 11 Thurloe Place, Brompton Road, SW7 in the County of London, on Wednesday 5th July 1995 at 2.30 pm.
COLONEL A.W. DAVIS
Comptroller & Secretary
12 June 1995 122 Brompton Road, London, SW3 1JE

LEGAL NOTICES

NOTICE OF 898 MEETING OF CREDITORS
BRITISH BEEF COMPANY LTD (in ADMINISTRATIVE RECEIVERSHIP)
Principal Trading Address: The Old Rectory, Banbury Lane, Cold Higham, Towcester NN12 8LR.
Company Number: 181965
NOTICE IS HEREBY GIVEN, pursuant to Section 98 of the Insolvency Act 1986, that a meeting of the creditors of the above-named company will be held at The Northampton Moat House Hotel, Silver Street, Northampton NN1 2TA for the purposes mentioned in Sections 99 to 101 of the Insolvency Act 1986.
A list of names and addresses of the company's creditors will be available for inspection free of charge at Touche Ross & Co of Lovis House, Station Road, Cambridge CB1 2RN during the two business days preceding the above meeting.
Dated: 31 May 1995
BY ORDER OF THE BOARD
C Baird
Director.

LEGAL NOTICES

IN THE HIGH COURT OF JUSTICE
CHANCERY DIVISION
BRISTOL DISTRICT REGISTRY
No 1391 of 1995
IN THE MATTER OF PASCOE'S GROUP PLC
and
IN THE MATTER OF THE COMPANIES ACT 1985
NOTICE IS HEREBY GIVEN that a Petition was on 24th May 1995 presented to Her Majesty's High Court of Justice for the confirmation of the reduction of the capital of the above-named company from £1,507,356.05 to £788,409.40 and the cancellation of the amount of £2,166,821.90 standing to the credit of its Share Premium Account AND NOTICE is FURTHER GIVEN THAT the said Petition is directed to be heard before one of the Chancery Judges at the Old Council House, Corn Street, Bristol on 6th July 1995.
ANY Creditor or Shareholder of the said Company desiring to oppose the making of an Order for confirmation of the said reduction of capital and Share Premium Account should appear at the time of hearing in person or by Counsel for that purpose.
A copy of the said Petition will be furnished to any such person requiring the same by the undermentioned Solicitors on payment of the regulated charge for the same.
DATED: 12 JUNE 1995
BURGES SALMON
NARROW QUAY HOUSE
PRINCE STREET
BRISTOL, BS1 4AH
TEL: 0117 9276567
FAX: 0117 9294705
REF: DJH/RCH/9892.62

In the Matter of Wallis Gilbert Limited
And in the Matter of the Insolvency Act and Rules 1986
In accordance with Rule 4.106, I, John C Heath of Haines Wallis, 4-8 Tabernacle Street, London, EC2A 4LU, give notice that on 30 May 1995 I was appointed Liquidator of Wallis Gilbert Limited by resolutions of members and creditors.
Notice is hereby given that the creditors of the above named company, which is being voluntarily wound up, are required, on or before 4 August 1995 to send in their full Christian and surnames, their addresses and descriptions, full particulars of their debts or claims, and the names and addresses of their Solicitors (if any), to the undersigned John C Heath of 4-8 Tabernacle Street, London, EC2A 4LU, the Liquidator of the said company, and, if so required by notice in writing from the said Liquidator, are, personally or by their Solicitors, to come in and prove their debts or claims at such time and place as shall be specified in such notice, or in default thereof they will be excluded from the benefit of any distribution.
Dated: 31 May 1995
John C Heath Liquidator.

Blackpain Limited
NOTICE IS HEREBY GIVEN pursuant to Section 48(2) of the Insolvency Act 1986, that a meeting of the unsecured creditors of the above named company will be held at 84 Grosvenor Street, London, W1X 9DF at 10.00am on 21 June 1995 for the purposes of having laid before it a copy of the report prepared by the Administrative Receivers under Section 48 of the said Act. The meeting may, if it thinks fit, establish a committee to exercise the functions conferred on creditor's committees by or under the Act. Creditors whose claims are wholly secured are not entitled to attend or be represented at the meeting. Other creditors are entitled to vote if: They have delivered to us at 84 Grosvenor Street, London, W1X 9DF no later than 12.00pm on the business day before the day fixed for the meeting, written details of the debts they claim to be due to them from the company, and the claim has been duly admitted under the provisions of the Rule 3.11 of the Insolvency Rules 1986; and There has been lodged with us any proxy which the creditor intends to be used on his behalf. I, A Manning Joint Administrative Receiver Dated 7 June 1995.

Kensington Limited
NOTICE IS HEREBY GIVEN pursuant to Section 48(2) of the Insolvency Act 1986, that a meeting of the unsecured creditors of the above named company will be held at 84 Grosvenor Street, London, W1X 9DF at 11.00am on 28 June 1995 for the purposes of having laid before it a copy of the report prepared by the Administrative Receivers under Section 48 of the said Act. The meeting may, if it thinks fit, establish a committee to exercise the functions conferred on creditors' committees by or under the Act. Creditors whose claims are wholly secured are not entitled to attend or be represented at the meeting. Other creditors are entitled to vote if: They have delivered to us at 84 Grosvenor Street, London, W1X 9DF, no later than 12.00pm on the business day before the day fixed for the meeting, written details of the debts they claim to be due to them from the company, and the claim has been duly admitted under the provisions of the Rule 3.11 of the Insolvency Rules 1986; and There has been lodged with us any proxy which the creditor intends to be used on his behalf. I, A Manning Joint Administrative Receiver
Dated 7 June 1995.

COMPANY NOTICES

Quebec Central Railway Company
Capital Stock
In preparation for the payment of the half-yearly dividend due July 15 1995 on the above stock, the transfer books will be closed at 3.30 p.m. on June 23 1995 and will be re-opened on July 3 1995.
D.R. Keast
Assistant Secretary
62-65 Trafalgar Square,
London WC2N 5DY.
June 12 1995.

LEGAL, PUBLIC, COMPANY & PARLIAMENTARY NOTICES
TO PLACE NOTICES FOR THIS SECTION PLEASE TELEPHONE
0171-782 7344 OR FAX: 0171-782 7827
Notices are subject to confirmation and should be received by 2.30pm two days prior to insertion.

RESULTS FROM SATURDAY'S SPORT

Epsom

Going: good to firm

2.00 (6f) 1, Gothenberg (D Holland, 9-4); 2, World Premier (9-1); 3, Double Point (16-1). Lucky Lionel 11-8 fav. 6 ran. 2½l, 2½l. M Johnston. Tote: £3.10; £1.70, £3.90. DF: £15.20. CSF: £18.41.

2.35 (1m 4f 10yd) 1, Sunshack (Pat Eddery, 10-1); 2, Only Royale (11-4); 3, Time Star (11-1). Tiddeen 5-2 fav. 7 ran. Hd, 1l. A Fabre. Tote: £8.60, £3.10, £2.30. DF: £16.20. CSF: £33.63.

3.05 (1m 2f 16yd) 1, Burooj (W Carson, 4-1 jt-fav); 2, Aljazzaf (4-1 jt-fav); 3, Mystic Hill (10-1). Sherman 4-1 jt-fav. 9 ran. NR: Green Crusader. 1l, 1l. D Morley. Tote: £3.10; £1.40, £1.80, £2.40. DF: £8.10. Trio: £26.00. CSF: £18.15. Tricast: £124.93.

3.50 (1m 4f 10yd) see above

4.30 (1m 4f 10yd) 1, Global Dancer (A Daly, 20-1); 2, Artic Courier (16-1); 3, Benfleet (15-2). Bajan 4-1 fav. 14 ran. 4l, ¾l. S Dow. Tote: £40.40; £7.20, £5.00, £3.00. DF: £236.40. Trio: £509.60. CSF: £276.85. Tricast: £2,359.58.

5.00 (7f) 1, Silca Blanka (K Darley, 5-2); 2f, Green Perfume (5-4 fav); 2f, Signs (10-1). 5 ran. 1¼l, dd-ht. M Channon. Tote: £3.10; £1.50 Green Perfume £0.70. Signs £1.00. DF: Silca Blanka, Green Perfume £0.90. Silca Blanka, Signs, £4.90. CSF: Silca Blanka, Green Perfume, £2.75. Silca Blanka, Signs, £3.67.

5.30 (6f) 1, Saddlehome (K Darley, 7-1); 2, Thatcherella (4-1 fav); 3, Shikari's Son (9-1). 15 ran. Nk, 1½l. T Barron. Tote: £7.80; £2.50, £2.20, £3.30. DF: £18.00. Trio: £75.80. CSF: £36.42. Tricast: £247.97.

Jackpot: not won.

Placepot: £528.60. Quadpot: £97.50.

Doncaster

2.20 1, Premium Gift (5-1); 2, Just Dissident (4-1); 3, La Belle Dominique (16-1). Just Like Me 3-1 fav. 10 ran.

2.50 1, Allinson's Mate (8-1); 2, Grey Again (9-1); 3, Yoxall Lodge (14-1). 8 ran.

3.20 1, Prima Silk (8-1); 2, Magic Orb (10-1); 3, Macs Maharanee (7-2 fav). 10 ran.

4.15 1, Floridante (3-1); 2, Hoh Express (3-1); 3, Out On A Promise (5-2 fav). 7 ran.

4.45 1, Crowned Glory (10-11 fav); 2, Fret (9-2); 3, Balzino (9-4). 4 ran.

5.20 1, Tarthooth (4-1 fav); 2, Fruitful Affair (14-1); 3, Flashman (8-1). 11 ran.

Haydock Park

2.10 1, Hamesait (2-1 fav); 2, Sparrowhawk (9-4); 3, Karaar (10-1). 9 ran.

2.40 1, My Learned Friend (5-1); 2, Colorful Ambition (9-2); 3, Western General (8-1). Beaumont 4-1 fav. 9 ran.

3.15 1, Celestial Key (9-1); 2, Samba Sharply (11-2); 3, Bend On The Run (6-1). Celestial Choir 5-1 fav. 12 ran.

4.10 1, Mutakiddim (3-1); 2, Carranita (10-1); 3, Everglades (11-2). Jawaal 11-4 fav. 8 ran.

4.40 1, Romios (7-1); 2, Taipan (7-2); 3, Franciurter (11-4 fav). 7 ran.

5.15 1, Blue Iris (8-1); 2, Bollin Joanne (4-1); 3, Evening Chime (5-1). Larghetto 11-4 fav. 9 ran.

5.45 1, Purple Splash (12-1); 2, Dover Patrol (5-1); 3, Midyan Blue (9-2). Swallowe Dream 4-1 fav. 8 ran.

Newmarket

6.40 1, Casual Water (14-1); 2, Katie's Kid (50-1); 3, Stalled (7-1). Sophism 9-4 fav. 21 ran. NR: Rapporteur.

7.10 1, Anglesey Sea View (11-4); 2, Sea Freedom (4-1); 3, Shrewd Albi (10-1). Bedevil 10-11 fav. 6 ran. NR: Scent Of Battle.

7.40 1, Brecongill Lad (7-1); 2, Jawlaat (2-1 fav); 3, Ryman's Rascal (5-1). 10 ran

8.10 1, Amnesty Bay (10-1); 2, Old Swinford (9-4 fav); 3, La Fille De Cirque (10-1). 9 ran.

8.40 1, Khayrapour (7-2 fav); 2, Deevee (12-1); 3, Sultan (5-1). 12 ran.

9.05 1, Maid For The Hills (8-15 fav); 2, Darling Flame (4-1); 3, Frezeliere (25-1). 8 ran. NR: Classic Flyer.

Wolverhampton

7.00 1, Frome Lad (14-1); 2, Maysann (7-1); 3, Vintage Tattinger (9-4 fav). 12 ran.

7.30 1, Wentbridge Lad (6-4 fav); 2, Four Of Spades (3-1); 3, Perfect World (7-1). 6 ran. NR: Chadleigh Lane.

8.00 1, Moneghetti (25-1); 2, Misternant (7-1); 3, Caddy's First (11-2). Bargash 5-4 fav. 9 ran. NR: Speedy Snaps Pride.

8.30 1, Dia Georgy (11-4); 2, Daytona Beach (9-4); 3, Medland (12-1). Equerry 7-4 fav. 5 ran. NR: Whitelock Quest.

9.00 1, Miss Offaat (5-2 fav); 2, Nameless (7-2); 3, Red Simba (3-1). 7 ran.

9.30 1, Efficacy (4-1); 2, Ring The Chief (5-1); 3, My Gallery (7-2). Present Situation 5-2 fav. 7 ran. NR: Ganeshaye, Tyrone Flyer.

Market Rasen

6.20 1, Magic Bloom (25-1); 2, Master's Crown (14-1); 3, Flowing River (14-1). Kiveton Tycoon 10-11 fav. 10 ran.

6.50 1, Talmar Systems (14-1); 2, Night Boat (11-4 fav); 3, Innocent George (9-2). 14 ran.

7.20 1, Super Trucker (7-1); 2, Ruppies (6-1); 3, Full O'Praise (7-2). Fine Harvest 5-4 fav. 6 ran.

7.50 1, Sohail (9-2); 2, Sword Beach (5-2); 3, Stepfaster (8-1). Derrymoss 15-8 fav. 6 ran.

8.20 1, Sassiver (8-1); 2, Royal Citizen (13-8 fav); 3, Ever Smile (5-2). 8 ran. NR: Marlingford.

8.50 1, Paal Mario (8-11 fav), 2, Catch The Pigeon (7-1); 3, Lightning Quest (10-1). 12 ran.

Worcester

2.55 1, Stormtracker (11-2 jt-fav), 2, Express Travel (12-1); 3, Leap Into Spring (14-1); 4, Amillionmemories (16-1). Baily Parson 11-2 jt-fav. 20 ran.

3.25 1, Mr Devious (2-1); 2, Majboor Yafooz (6-5 fav); 3, Fuchu (40-1). 15 ran. NR: Young Kamil.

4.20 1, Dextra Dove (7-4); 2, Chip And Run (10-3); 3, Kittinger (25-1). No More Trix 6-4 fav. 6 ran.

4.50 1, Have A Nightcap (14-1); 2, Shemahadel (11-2); 3, Soneeto (14-1). St John's Hill 7-2 fav. 10 ran.

5.25 1, Vicar Of Bray (14-1); 2, Ross Graham (5-1); 3, Bargain And Sale (25-1); 4, Sillian (12-1). Blustery Fellow 4-1 fav. 19 ran. NR: Mittawal.

5.55 1, Jimmy's Cross (5-1); 2, Comedy Hour (14-1); 3, False Creek (8-1). Kings High 4-1 fav. 17 ran.

6.25 1, Sir Turtle (10-1); 2, Tranelco (12-1); 3, Strokesaver (14-1). Take Cover 1-1 fav. 16 ran. Take Cover finished first but after a stewards' inquiry was disqualified.

Carling reverses French 1,000 Guineas form

FROM OUR FRENCH RACING CORRESPONDENT

CORINNE BARBE celebrated her first classic success as a trainer when Carling, ridden by Thierry Thulliez, stayed on strongly to beat Matiara in the Prix de Diane Hermes (French Oaks) at Chantilly yesterday. Carling's neck victory reversed the French 1,000 Guineas form, when Matiara narrowly came out on top.

Carling's connections are now planning an ambitious campaign. Madame Barbe said: "This is fantastic. Carling is a very brave filly. I'm not used to working out the programme for a [Prix de] Diane horse and first of all we just want to enjoy the moment. But she's in the King George and we also might think about the Arc and Breeders' Cup."

Muncie, the 6-5 favourite, had the services of a pacemaker but could finish only fifth, completing a disappointing weekend for trainer André Fabre. Richard Hannon's Caramba, the only British-trained runner, was bumped on the home turn by Garden Rose but finished strongly in seventh, beaten a little over two lengths.

Lord Carnarvon, the owner of Caramba, said: "Garden Rose broke an iron [rounding the home turn] and came across Caramba, which meant that she was shuffled back to last. She did well to finish so close." She may now head for the Falmouth Stakes at Newmarket next month.

Earlier Walter Swinburn finished second on the Ed Dunlop-trained Fraam in the group three Prix du Chemin de Fer behind Kaldounevees. The winner, trained by John Hammond, is to be aimed at the Arlington Million.

□ Lord Huntingdon's Penny Drops made a fruitless journey to Italy over the weekend as yesterday's meeting at San Siro was abandoned after one race because of torrential rain.

CHANTILLY DETAILS

3.50 PRIX DE DIANE HERMES (£167,665: 1m 2f 110yd)
1, CARLING — T Thulliez
2, Matiara — F Head
3, Typhoosa — A Boschert
12 ran. Trained by Mrs P Barbe. Nk, ¾l. Pari-Mutuel (to a one-Franc stake): FFr4.50; FFr1.80, FFr2.30, FFr5.30. DF: FFr9.90.

NAPS

Nap: MARY MACBLAIN (4.15 Pontefract)
NB: The Frisky Farmer (4.45 Pontefract)

Hannon: Caramba finished a creditable seventh

Thunder Gulch takes Lukas to record

BY OUR RACING STAFF

THUNDER GULCH added the Belmont Stakes to his victory in the Kentucky Derby to claim the first and last legs of the American Triple Crown in New York on Saturday. He was third to stable companion Timber Country in the second element, the Preakness Stakes.

The victory gave trainer D Wayne Lukas a record fifth consecutive success in a Triple Crown race. Thunder Gulch was sent off the 6-4 favourite after Timber Country, the expected market leader, had been withdrawn on Friday evening because of a slight fever.

Gary Stevens was never far off the pace on Thunder Gulch and brought his mount to deliver a decisive challenge to the front-running Star Standard, ridden by Julie Krone, in the final furlong of the 1½-mile contest, an unusually long trip by American standards.

Thunder Gulch, owned by Monte Carlo-based London bookmaker, Michael Tabor, prevailed by two lengths with Citadeed, formerly trained by Peter Chapple-Hyam, 3½ lengths away in third. The winning time of 2min 32.02sec was the slowest Belmont Stakes for 25 years.

Off'N'Away, attempting to emulate his full brother, Go And Go, the winner of the Belmont five years ago for Dermot Weld, closed to within six lengths of the lead rounding the final turn but dropped away to finish sixth, beaten 16½ lengths, in the hands of Mike Smith.

Big-race result

Going: fast (dirt)

BELMONT STAKES (Grade I, 3-Y-O: £415,440. 1m 4f)
1, THUNDER GULCH (G Stevens). 2, Star Standard (Julie Krone); 3, Citadeed (E Maple). ALSO RAN: Knockadoon (4th), Pana Brass (5th), Off'N'Away (6th), Ave's Flag (7th), Composer (8th), Colonial Secretary (9th), Is Svelkatas (10th), Wild Syn. 11 ran. NR: Timber Country. 2l, 3½l, 1¼l, 4¾l, 5l. D W Lukas. Pari-mutuel (inc $2 stake): 5.00; place (1-2) $3.70, $5.80. Show (1-2-3) $2.90, $4.30, $4.40. SF $25.20. 2min 32.02sec.

Handsome Harvey prevails in thriller

POINT-TO-POINT
BY BRIAN BEEL

HANDSOME HARVEY became the worthy winner of the Grand Marnier Trophy when he maintained his 100 per cent record in the ladies' open race at the Torrington Farmers point-to-point on Saturday.

Royal Saxon had failed to go ahead of him in the Open when, after being squeezed for room at the second last, he ran out under Richard Ford behind the eventual winner, Mac's Glen.

Handsome Harvey could then lose the title only if Rocket Run beat him in the Ladies' but, after Shirley Vickery had given way after the fifth, Rocket Run chased in vain until pulling up going up the hill to three out. At this stage Polly Curling had taken Cornish Cossack to the front, but Pip Jones fought back on Handsome Harvey to win by four lengths.

Curling, however, gained her fortieth victory when vigorous riding enabled her to win the restricted on Proud Point by half a length from Hensue.

Handsome Harvey's win helped Jones to share the honours with Vickery for second place in the riders' table and she went ahead in the confined when Great Gusto finished 20 lengths in front of Querrin Lodge.

TORRINGTON FARMERS (Umberleigh): Hunt: 1, Horwood Ghost (R Treloggen, 1-6 fav); 2, Darlee, only 2 finished. 2 ran. Open: 1, Mac's Glen (P Henley, 3-1); 2, Tap Dancing; 3, Coltrane. 9 ran. Ladies: 1, Handsome Harvey (Miss P Jones, 8-11 fav); 2, Cornish Cossack; 3, Le Mezeray. 9 ran. Rest: 1, Proud Point (Miss P Curling, 11-10 fav); 2, Hensue; 3, Diamond Flier. 10 ran. Confined: 1, Great Gusto (Miss P Jones, Evens fav); 2, Quarrin Lodge; 3, Pharaoh Blue. 9 ran. Open Mdn I: 1, Coolmoreen (D Duggan, 7-4 fav); 2, Good Appeal; 3, Spar Copse. 11 ran. Open Mdn II: 1, Not Mistaken (Miss S Vickery, 4-1); 2, Mr Flitch; 3, Maytown. 11 ran.

YESTERDAY'S RESULTS

Epsom

Going: good to firm

2.00 (6f) 1, CABCHARGE STRIKER (R Hughes, 5-2 fav); 2, Arctic Romancer (Paul Eddery, 9-2); 3, Cyrillic (J Weaver, 8-1). ALSO RAN: 3 To The Whire (4th), 6 General Rose, 16 Born A Lady (6th), 20 Mystery Matthias (5th). 7 ran. ½l, 2½l, ½l, 2½l, 2l. M Channon at Upper Lambourn. Tote: £3.40; £2.60, £2.80. DF: £4.70. CSF: £12.39.

2.35 (1m 4f 10yd) 1, AMANCIO (Miss A Harwood, 2-1 fav); 2, Wild Strawberry (Miss Diana Jones, 4-1); 3, Mr Bean (Mrs E Burke, 14-1). ALSO RAN: 9-4 Credit Squeeze (4th), 9 Children's Choice (5th), 25 Don't Drop Bombs (6th). 6 ran. NR: Lombardic. 5l, 6l, ¾l, 1¼l, 20l. G Harwood at Pulborough. Tote: £2.80; £1.80, £1.70. DF: £4.60. CSF: £8.88.

3.10 (1m 2f 18yd) 1, ELA-ARISTOKRATI (M Hills, 5-4 fav, Newmarket Correspondent's nap); 2, Stiffelio (J Reid, 7-1); 3, Spot Prize (W Ryan, 12-1). ALSO RAN: 3 Dahik (5th), 4 Diaghilef (4th). 5 ran. 4l, nk, ½l, 2½l. M Stoute at Newmarket. Tote: £2.30; £1.50, £1.70. DF: £6.00. CSF: £8.85.

3.40 (5f) 1, DOUBLE QUICK (J Weaver, 3-1); 2, Don't Worry Me (Paul Eddery, 20-1); 3, Allthruthenight (W Carson, 13-2). ALSO RAN: 5-2 fav Brave Edge (4th), 6 Ashtina, Jayannpee (6th), 12 Tuscan Dawn, 16 Windmachine, 20 Insider Trader (5th), Musica. 10 ran. Hd, ¾l, 2l, 3l, hd. M Johnston at Middleham. Tote: £4.20; £1.70, £4.40, £1.70. DF: £47.10. Trio: £196.80. CSF: £54.11. Tricast: £326.33.

4.10 (1m 114yd) 1, UP IN FLAMES (W Carson, 6-1); 2, Danegold (C Rutter, 4-1 fav); 3, Shepherd Market (G Carter, 8-1). ALSO RAN: 11-2 Comanche Companion, 7 Robsera, 8 Kingchip Boy, Pride Of Pendle (5th), 9 Pay Homage, 12 Legal Fiction, 14 Queens Consul, Second Chance (4th), 16 Pab's Choice (6th), 33 Stately Home. 13 ran. NR: Te Amo. ½l, 3½l, dd-ht, nk, 1¾l. M Hammond at Middleham. Tote: £4.90; £2.00, £1.70, £3.00. DF: £12.70. Trio: £40.60. CSF: £32.02. Tricast: £189.17. After a stewards' inquiry, Second Chance, which dead-heated for third, was placed fourth.

4.40 (7f) 1, NAGNAGNAG (M Roberts, 16-1); 2, Emirates Express (M Henry, 5-1); 3, Midwich Cuckoo (M Hills, 12-1). ALSO RAN: 9-2 fav Hawa Al Nasamaat, 11-2 Neverending, 6 Master Millfield (5th), 7 Loveyoumillions, 9 Balance Of Power (6th), Shen Yang, 10 Fantasy Racing (4th), 12 Cabcharge Blue, 14 Crystal Cavern. 12 ran. NR: Axeman, Quintus Decimus. ½l, 2½l, ½l, ¾l, sh hd. S Dow at Epsom. Tote: £14.80; £2.70, £2.10, £5.20. DF: £54.40. Trio: £218.70. CSF: £109.63. Tricast: £1,119.08.

Jackpot: £96,694.30.
Placepot: £187.20. Quadpot: £37.40.

Uttoxeter

Going: good to firm

2.15 (3m 110yd hdle) 1, Myhamet (G Tormey, 8-1); 2, Khazari (20-1); 3, Couture Stockings (4-1). Kabayil 3-1 fav. 8 ran. 1¾l, 1l. P Hobbs. Tote: £13.90; £3.20, £4.60, £1.10. DF: £123.70. CSF: £113.73. Tricast: £657.53.

2.50 (2m hdle) 1, Flying Eagle (Richard Guest, 11-4 fav); 2, Shirley's Train (4-1); 3, Gala's Pride (6-1). 12 ran. NR: Brooksong. 6l, 7l. J White. Tote: £3.10; £1.50, £2.30, £2.00. DF: £9.20. Trio: £13.80. CSF: £13.00.

3.25 (2m 7f ch) 1, Crosula (A P McCoy, 6-4 fav); 2, Staunch Rival (13-2); 3, Frozen Drop (11-1). 9 ran. 3l, 5l. M Pipe. Tote: £2.90; £1.40, £2.20, £2.20. DF: £4.30. Trio: £12.30. CSF: £10.54. Tricast: £65.50.

3.55 (2m 4f 110yd hdle) 1, Chicago's Best (G Tormey, 4-1 fav); 2, Bright Sapphire (14-1); 3, Bondaid (14-1); 4, Mardood (12-1). 17 ran. NR: Bill And Win. 5l, 4l, ¾l. Wingrove. Tote: £3.90; £1.30, £5.90, £5.30, £4.30. DF: £85.90. CSF: £63.87. Tricast: £709.49. Trio: not won (pool of £338.35 carried forward to 4.15 at Pontefract today).

4.25 (2m 4f 110yd hdle) 1, Shikaree (A P McCoy, 5-2); 2, Dallachio (13-8 fav); 3, Turret (11-1). 9 ran. NR: Hit The Canvas. 1¾l, 1½l. M Pipe. Tote: £3.80; £1.40, £1.20, £2.10. DF: £3.80. Trio: £21.20. CSF: £6.86.

4.55 (2m 5f ch) 1, Country Picture (C Llewellyn, 3-1); 2, World Without End (12-1); 3, Manor Rhyme (6-1). Sayh 9-4 fav (pup). 10 ran. ¾l, ¾l. N Twiston-Davies. Tote: £3.20; £1.50, £4.40, £2.00. DF: £24.90. Trio: £86.60. CSF: £33.29.

5.25 (2m hdle) 1, Desert Force (B Clifford, 12-1); 2, Run For Nick (10-1); 3, Warndha (11-2). No Light 4-1 fav. 14 ran. NR: Alan Ball. Hd, ½l. G Fierro. Tote: £39.50; £8.40, £3.00, £2.30. DF: £259.30. Trio: £405.30 (part won; pool of £262.62 carried forward to 4.15 at Pontefract today). CSF: £132.60. Tricast: £695.03.

Placepot: £23.10. Quadpot: £6.60.

NOTTINGHAM

THUNDERER
2.30 Don't Tell Anyone. 3.00 SURPRISE MISSION (nap). 3.30 Pekay. 4.00 Harry Browne. 4.30 Indian Serenade. 5.00 Anlace.

GOING: GOOD TO FIRM (FIRM IN PLACES) SIS
DRAW: 5F-6F, HIGH NUMBERS BEST

2.30 PRINTERS RACEDAY SELLING STAKES (2-Y-O: £2,243: 5f 13yd) (7 runners)

1 (3) 6 BOLD TIMES 17 P Evans 8-11 — Paul Eddery 88
2 (4) 3 DON'T TELL ANYONE 53 J Berry 8-11 — J Carroll 90
3 (1) 4235 MUSTAFFA 23 M Channon 8-11 — P P Murphy (5) 98
4 (2) PLAUSILIUM W G M Turner 8-11 — G Duffield —
5 (7) 00 THE IMPS 8 B Hills 8-11 — B Thomson [illegible]
6 (5) 63 TOUCH OF FANTASY 10 John Berry 8-6 — J Tate (3) 96
7 (6) 050 WINSNUT 21 G Lewis 8-6 — S Whitworth 87

6-4 Don't Tell Anyone, 7-2 Bold Times, 5-1 Touch Of Fantasy, 8-1 others.

3.00 FERAG UK HANDICAP (3-Y-O: £3,935: 5f 13yd) (6)

1 (6) 265- SOUND THE TRUMPET 268 (D,G) Mrs J Ramsden 9-7 — D Harrison 91
2 (4) 15 KARINA HEIGHTS 51 (CD,G) J Wates 9-4 — J Reid 88
3 (2) 5-40 MR TEIGH 2 (B) K McAuliffe 9-3 — J Tate (3) 94
4 (1) -040 SWAN AT WHALLEY 47 (D,F) M Wane 8-11 — B Thomson 92
5 (3) 001 SURPRISE MISSION 16 (D,G) R Whitaker 8-7 — A Culhane [illegible]
6 (5) 3456 SHARP HOLLY 39 J Bennett 8-2 — J Carroll 93

5-2 Karina Heights, 11-4 Surprise Mission, 3-1 Mr Teigh, 5-1 Sound The Trumpet, Sharp Holly, 20-1 Swan At Whalley.

3.30 EUROPEAN BREEDERS FUND NOTTINGHAM EVENING POST MAIDEN STAKES (2-Y-O: £3,590: 5f 13yd) (6)

1 (5) OPENING CHORUS Mrs J Ramsden 9-0 — D Harrison —
2 (1) 33 PEKAY 11 (BF) J Berry 9-0 — J Carroll [illegible]
3 (6) RAMBO DELIGHT J Eyre 9-0 — R Lappin —
4 (4) SOUL OF HONOUR Mrs J Ramsden 9-0 — S Maloney —
5 (3) 4 THEATRE MAGIC 42 T Etherington 9-0 — K Darley —
6 (2) 4 SPANISH LUCK 14 J Hills 8-9 — B Thomson —

7-4 Pekay, 3-1 Soul Of Honour, 4-1 Opening Chorus, 5-1 Spanish Luck, 8-1 others.

COURSE SPECIALISTS

TRAINERS: J Hills, 5 winners from 29 runners, 17.2%; R Whitaker, 7 from 42, 16.7%; M Channon, 7 from 47, 14.9%; Mrs J Ramsden, 11 from 77, 14.2%; B Hanbury, 5 from 39, 12.8%; P Haslam, 3 from 24, 12.5%.

JOCKEYS: D Harrison, 12 winners from 59 rides, 20.3%; Paul Eddery, 15 from 105, 14.2%; J Reid, 9 from 77, 11.7%; A Culhane, 5 from 46, 10.9%. Only qualifiers.

4.00 SUN CHEMICAL HANDICAP (£3,474: 1m 6f 15yd) (13)

1 (9) 0514 CUBURNEL NEWS 11 (F,G) A Forbes 5-9-13 — D Denby (7) 94
2 (3) 0-23 FEARLESS WONDER 34 (B,BF,F,G) Mrs M Reveley 4-9-9 — K Darley 91
3 (11) 05-4 THROWER 14 W Brisbourne 4-8-10 — D Griffiths (5) 91
4 (10) 448- TOMMY COOPER 238 Mrs B Waring 4-8-9 — S Drowne (5) 85
5 (12) -251 VAIN PRINCE 14 (CD,F,G,S) N Tinkler 8-8-8 — G Duffield 92
6 (1) 0-R4 BEE BEAT 7 (F) A Chamberlain 7-8-6 — Martin Dwyer (7) 96
7 (2) 0026 SWORDKING 5 (V,CD,F,G,S) J L Harris 6-8-5 — Paul Eddery 98
8 (9) 00-0 AL JINN 13 (G) R Curtis 4-8-2 — A Morris [illegible]
9 (4) 5526 HARRY BROWNE 11 (BF,G) Mrs J Ramsden 3-8-1 — S Maloney 98
10 (7) 6/6 LEAP IN THE DARK 18 (F) Miss L Siddall 6-8-1 — D Harrison 89
11 (6) 0105 ARC BRIGHT 11 (D,F,G) R Hollinshead 5-7-13 — A Garth (3) 97
12 (13) 00-2 KINTAVI 5 T Donnelly 5-7-11 — C Rutter 98
13 (5) 2525 INN AT THE TOP 10 J Norton 3-7-11 — Dale Gibson 89

3-1 Vain Prince, 5-1 Fearless Wonder, Harry Browne, 11-2 Inn At The Top, 10-1 Cuburnel News, Kintavi, 12-1 Bee Beat, 14-1 others.

4.30 HARLAND SIMON HANDICAP (£3,274: 1m 54yd) (9)

1 (8) 166- MR BUTCH 418 (F) R Curtis 5-10-0 — A Morris 84
2 (5) 5001 YUBRALEE 13 (D,G) M Pipe 5-9-10 — J Reid 90
3 (9) 0940 BENTICO 7 (D,F,G) Mrs N Macauley 6-9-10 — S Whitworth 95
4 (2) 0205 SECOND COLOURS 9 (D,F,G) Mrs M Reveley 5-9-6 — K Darley 93
5 (7) 1423 MAZILLA 86 (D,G) A Forbes 3-8-10 — S D Williams 90
6 (3) 33-0 SAINT AMIGO 42 (V,S) J Eyre 3-8-10 — R Lappin 92
7 (1) 020 INDIAN SERENADE 16 (D,G) P Harris 4-8-10 — J Stack (5) 93
8 (6) 3003 MR CUBE 5 (V,D,F,G) J Bradley 5-8-9 — Amanda Sanders (7) [illegible]
9 (4) 0064 NOBPROB 11 (D,F,G,S) R Hodges 5-9-4 — S Drowne (5) 97

3-1 Yubralee, 9-2 Indian Serenade, 5-1 Mr Cube, 6-1 Bentico, Mazilla, 7-1 Second Colours, 8-1 others.

5.00 MILES 33 APPRENTICES LIMITED STAKES (£3,552: 1m 1f 213yd) (18)

1 (3) 0650 SHUTTLECOCK 16 (G,S) Mrs N Macauley 4-9-9 — M Henry (5) 79
2 (14) 0023 DIAMOND CROWN 11 (CD,F) M Wane 4-9-5 — J Tate 92
3 (5) 0-00 SINCLAIR LAD 7 (B,C,D,F,G,S) R Hodges 7-9-5 — S Drowne (3) 83
4 (12) 0/0 A BADGE TOO FAR 44 (V) L Barratt 5-9-0 — V Halliday (5) —
5 (15) 3005 ANLACE 3 (B,F) S Mellor 6-9-0 — A Daly (5) [illegible]
6 (18) 2200 BROUGHTON'S PRIDE 13 J Glover 4-9-0 — S Sanders 94
7 (13) 2325 FIABA 21 (6) Mrs N Macauley 7-9-0 — Amanda Sanders (5) 89
8 (10) -050 MARJIMEL 5 J Eyre 4-9-0 — D Griffiths (5) 90
9 (1) 000- THEM TIMES 207J (F) F Jordan 6-9-0 — R Havlin (5) —
10 (16) 1611 VINDALOO 5 (D,G,S) J L Harris 3-9-0 — P Fessey (5) 94
11 (2) 1060 RED SPECTACLE 23 (G) P Haslam 3-8-6 — Nicola Howarth (5) 87
12 (8) 0-01 RING OF VISION 14 (D,F) Mrs M Reveley 3-8-6 — G Parkin (5) 95
13 (7) 0-00 BIASED VIEW 9 R Thompson 3-8-6 — L Newton (3) 94
14 (9) 5003 CENTAUR EXPRESS 14 A Forbes 3-8-6 — D Denby (5) 85
15 (11) 2032 PRESTO BOY 11 (BF) M Bell 3-8-6 — G Faulkner (5) 91
16 (6) -500 SHARE THE SECRET 21 B Hanbury 3-8-6 — J Stack (3) 85
17 (4) 0-00 SPECIALIZE 36 K Burke 3-8-6 — S O'Shea (7) 83
18 (17) 30-0 TABARD GARDEN 30 D Nicholls 3-8-1 — Ruth Coulter (5) 73

9-2 Vindaloo, 7-1 Broughton's Pride, Presto Boy, Ring Of Vision, 8-1 Anlace, Diamond Crown, 10-1 others.

Blinkered first time

NOTTINGHAM: 3.00 Mr Teigh. 4.30 Saint Amigo. 5.00 Anlace. PONTEFRACT: 4.15 Izza. WINDSOR: 6.30 Esthal, Ragtime Song. 7.30 Yacht.

WINDSOR

THUNDERER
6.30 Castoret. 7.00 Secret Miss. 7.30 Lowawatha. 8.00 Mountain Valley. 8.30 Mr Rough. 9.00 Pedaltothemetal.

Our Newmarket Correspondent: 7.30 WATHBAT MTOTO (nap).

GOING: GOOD SIS
DRAW: 5F-6F, HIGH NUMBERS BEST

6.30 CANCER RESEARCH CAMPAIGN & BRITISH EQUESTRIAN OLYMPIC FUND CLAIMING STAKES (£2,933: 1m 3f 135yd) (12 runners) SKY

1 410- CASTORET 288 (D,F,G,S) J Hills 9-9-7 — M Hills 2
2 0- DRAGON GREEN 271 J White 4-9-7 — M Tebbutt 10
3 RAIN WARRIOR 142J Miss A Whitfield 5-9-7 — W Newnes 6
4 0/0 PULMICORT 7 (D,S) P Burgoyne 5-9-5 — B Rouse 12
5 0211 SHABANAZ 6 (D,F,G,S) W Muir 10-9-4 — Stephen Davies 7
6 00-0 BROWN CARPET 63 (B,C,G) C Horgan 8-9-2 — M Perrett 1
7 /0-0 ESTHAL 21 (V,G) A Barrow 5-9-1 — J Williams 9
8 0600 RAGTIME SONG 11 (V,F,G) A Moore 6-9-0 — Candy Morris 11
9 00 NORTHERN SPRUCE 13 Miss J Doyle 3-8-5 — P Robinson 8
10 4605 ROADSWEEPER 10 K Cunningham-Brown 3-8-3 — M Roberts 4
11 0-4 SALFRILL 16 Mrs P Sly 3-8-0 — N Carlisle 3
12 0-00 ELLY FLEETFOOT 13 T Mills 3-7-11 — A Mackay 5

2-1 Castoret, 9-4 Shabanaz, 5-1 Roadsweeper, 8-1 Salfrill, 10-1 others.

7.00 OPUS TECHNOLOGY FILLIES HANDICAP (3-Y-O: £3,766: 5f 217yd) (18) SKY

1 0435 LOUGH ERNE 12 C Wall 9-7 — N Carlisle 9
2 50-0 NORDESTA 23 (S) M Channon 9-5 — R Hughes 12
3 3-40 BLUE SIOUX 52 J Wharton 9-3 — J Williams 5
4 0-63 BRASS TACKS 10 R Hannon 9-3 — Georgina Frost 15
5 0-40 SALLY WELD 21 (D,F) C Benstead 9-2 — B Rouse 8
6 0-36 SECOND CELLO 23 D Morris 9-2 — Stephen Davies 14
7 -300 BROCKTON FLAME 28 (D,F) J Eustace 9-0 — M Hills 2
8 50-0 TREASURE KEAY 30 P Makin 8-10 — L Dettori 17
9 3030 NADWATY 4 (G) M Chapman 8-5 — C Munday (7) 6
10 00-0 BELLA COOLA 19 C Horgan 8-4 — C Rutter 3
11 0531 TACHYCARDIA 6 (CD,F,G) R O'Sullivan 8-3 (7ex) — A Clark 16
12 0000 CLASSIC PET 7 C Horgan 8-2 — N Adams 18
13 0502 SECRET MISS 5 A Jarvis 8-2 — P Robinson 11
14 -050 LA BOSSETTE 17 (B) J Arnold 8-1 — M Roberts 13
15 005 AMANY 16 G Lewis 8-1 — Paul Eddery 4
16 00-6 THE MESTRAL 49 M Ryan 7-7 — M Baird (5) 7
17 5-10 SHANGHAI LIL 10 (D,G) M F-Godley 7-7 — Martin Dwyer (7) 1
18 8530 CHARNWOOD QUEEN 32 R Armstrong 7-7 — S Lanigan (7) 10

5-1 Tachycardia, 6-1 Brass Tacks, 7-1 Lough Erne, 8-1 Secret Miss, 10-1 Brockton Flame, Second Cello, 12-1 Amany, Nordesta, 14-1 others.

7.30 SUNLEY HANDICAP (£4,500: 1m 2f 7yd) (12) SKY

1 11-0 NORTHERN UNION 54 (C,G,S) M Jarvis 4-10-0 — P Robinson 12
2 0556 UNCLE OSWALD 22 (F) R Hannon 4-9-12 — Dane O'Neill (7) 2
3 10-5 FIELDRIDGE 14 (D,F,G) C Brooks 6-9-12 — Pat Eddery 10
4 /30- COUNTRY STAR 306 H Candy 4-9-9 — W Newnes 3
5 -054 LOWAWATHA 20 (CD,F,G,S) D Morris 7-9-8 — A Clark 11
6 10-0 NEW ALBION 18 (D,F) N Henderson 4-9-7 — Paul Eddery 6
7 /0-0 MAKE A STAND 22 (S) H Candy 4-9-6 — N Adams 7
8 41 WATHBAT MTOTO 17 (D,F) L Cumani 3-9-3 — L Dettori 9
9 10-0 YACHT 53 (V,G) B Hills 3-8-12 — M Hills 1
10 4854 SOLDIER'S LEAP 22 (V,G) C Brittain 3-8-8 — M Roberts 4
11 0002 BELLAS GATE BOY 9 G Lewis 3-8-0 — A Whelan (5) 5
12 6003 LADY LACEY 9 (V,D,F,G,S) G Balding 8-7-12 — Iona Wands (7) 8

5-2 Wathbat Mtoto, 9-2 Soldier's Leap, 7-1 Fieldridge, Lowawatha, 8-1 Uncle Oswald, 10-1 Bellas Gate Boy, Northern Union.

8.00 DRAGONFLY MAIDEN AUCTION STAKES (2-Y-O: £3,696: 5f 217yd) (14)

1 REGIMENT R Hannon 8-8 — K Darley 10
2 03 THAI MORNING 69 P Harris 8-8 — Pat Eddery 5
3 2 ESSENTIALSELECTION 9 W Haggas 8-7 — M Roberts 14
4 0 OBLOMOV 22 G Lewis 8-7 — Paul Eddery 1
5 STRONZ R Akehurst 8-7 — L Dettori 9
6 VICTORY COMMANDER T Naughton 8-7 — M Hills 13
7 WHITE ENSIGN R Hannon 8-6 — T Quinn 12
8 2 ERUPT 35 G Balding 8-5 — J Williams 2
9 00 TWO SOCKS 16 M McCormack 8-5 — A Clark 4
10 0 DOUBLE VINTAGE 35 M Chapman 8-4 — C Munday (7) 7
11 URGENT SWIFT A Jarvis 8-3 — Stephen Davies 11
12 0 DRAGONJOY 9 L Holt 8-2 — C Avery 6
13 3 MOUNTAIN VALLEY 23 P Cole 8-2 — C Rutter 3
14 LASER LIFE STAR C Williams 7-11 — P Robinson 6

7-2 Mountain Valley, 9-2 Essentialselection, 5-1 Thai Morning, 6-1 Erupt, 7-1 Regiment, 8-1 White Ensign, 10-1 Stronz, 12-1 others.

8.30 KINGFISHER HANDICAP (£3,630: 1m 67yd) (14)

1 -132 MR ROUGH 18 (D,BF,F) D Morris 4-9-10 — Stephen Davies 7
2 61-0 BALLYNAKELLY 19 (G) R Akehurst 3-9-5 — A Clark 11
3 1061 KARINSKA 9 (D,F,G) M Chapman 5-9-5 — C Munday (7) 13
4 40-0 VANROY 7 (V,CD,F,G,S) J Jenkins 11-9-4 — L Dettori 2
5 182- DIACO 244 (D,F,G) J Hills 10-9-4 — K Darley 6
6 -065 BRAYDON FOREST 7 C Drewe 3-9-2 — B Thomson 6
7 65-0 LORD PALMERSTON 44 P Cole 3-9-0 — T Quinn 12
8 -606 SINGING ROCK 14 (C,F) R Hannon 3-9-0 — Dane O'Neill (7) 10
9 1000 SEA SPOUSE 13 (B) M Blanchard 4-8-1 — M Roberts 3
10 0-00 SAFE SECRET 7 R Brotherton 4-8-0 — A Mackay 4
11 0-04 ROSEVEAR 21 S Mellor 3-7-13 — N Carlisle 5
12 4600 KREEF 32 R O'Sullivan 3-7-13 — M Baird (5) 9
13 4163 HATTA SUNSHINE 31 (D,G) A Moore 5-7-12 — A Whelan (5) 1
14 0-00 LADY SABINA 137 W Musson 5-7-11 — C Rutter 14

4-1 Mr Rough, 5-1 Karinska, 6-1 Singing Rock, 7-1 Hatta Sunshine, 8-1 Ballynakelly, 10-1 Diaco, 12-1 others.

9.00 ROBIN LIMITED STAKES (£3,095: 1m 67yd) (14)

1 4040 LOVE LEGEND 11 (C,F,G,S) D Arbuthnot 10-9-7 — T Quinn 12
2 00-0 MOROCCO 7 (D,F,S) M Channon 6-9-7 — R Hughes 2
3 06-0 RAVEN'S ROOST 18 D Chappell 4-9-7 — B Thomson 3
4 0005 RISING SPRAY 19 C Horgan 4-9-7 — Paul Eddery 11
5 3003 BELLEMINETTE 39 (D,F,G) D Haydn Jones 4-9-2 — A Mackay 8
6 20-0 FABRIANA 74 (S) T Naughton 5-9-2 — M Hills 7
7 -001 ISM 4 (B,D,G) W Harn 3-8-12 — T Sprake 10
8 5203 COURT NAP 7 S Mellor 3-8-10 — M Wigham 5
9 5333 SPEEDY SNAPS PRIDE 10 P Cundell 3-8-10 — W Newnes 14
10 0-02 WET PATCH 7 R Hannon 3-8-10 — M Roberts 4
11 -300 ZESTI 15 T Clement 3-8-10 — P Robinson 9
12 -434 CRIMSON SHOWER 14 J Fanshawe 3-8-5 — L Dettori 13
13 0-00 JOBBER'S FIDDLE 42 (F) D Burchell Davis 3-8-5 — J Bramhill (7) 6
14 0044 PEDALTOTHEMETAL 7 P Mitchell 3-8-5 — S O'Gorman 1

4-1 Wet Patch, 5-1 Crimson Shower, 6-1 Belleminette, 7-1 Court Nap, 8-1 Ism, 10-1 Speedy Snaps Pride, 12-1 Love Legend, 14-1 others.

COURSE SPECIALISTS

TRAINERS: M Jarvis, 8 winners from 27 runners, 29.6%; L Cumani, 5 from 22, 22.7%; D Arbuthnot, 4 from 21, 19.0%; R Hannon, 40 from 214, 18.7%; P Makin, 7 from 41, 17.1%; W Harn, 6 from 38, 15.8%.

JOCKEYS: Pat Eddery, 44 winners from 181 rides, 24.3%; L Dettori, 21 from 112, 18.8%; M Hills, 11 from 79, 13.9%; Stephen Davies, 5 from 38, 13.2%; P Robinson, 4 from 33, 12.1%.

PONTEFRACT

THUNDERER
2.45 Quinta Boy. 3.15 Rosina's Folly. 3.45 Two Moves In Front. 4.15 Self Expression. 4.45 Persian Secret. 5.15 Phylian. 5.45 Magic Imp.

Our Newmarket Correspondent: 4.15 Just Flamenco. 5.15 Phylian.

GUIDE TO OUR RACECARD

103 (12) 0-0432 GOOD TIMES 74 (CD,BF,F,G,S) (Mrs D Robinson) B Hall 9-10-0 — B West (4) 88

Racecard number. Draw in brackets. Six-figure form (F — fell. P — pulled up. U — unseated rider. B — brought down. S — slipped up. R — refused. D — disqualified). Horse's name. Days since last outing; J if jumps, F if flat. (B — blinkers. V — visor. H — hood. E — Eyeshield. C — course winner. D — distance winner. CD — course and distance winner. BF — beaten favourite in latest race). Going on which horse has won (F — firm, good to firm, hard. G — good. S — soft, good to soft, heavy). Owner in brackets. Trainer. Age and weight. Rider plus any allowance. The Times Private Handicapper's rating.

GOING: GOOD DRAW: 5F-6F, LOW NUMBERS BEST SIS

2.45 JUNE MAIDEN AUCTION STAKES (Div I: 2-Y-O: £2,717: 5f) (10 runners)

101 (9) 0485 ABDUCTION 18 (Exors of Mr R Hanson) E Weymes 8-7 — G Hind 82
102 (5) QUINTA BOY (Highgrove Developments Ltd) J Berry 8-7 — G Carter —
103 (3) SOME HORSE (The Anfield Hombres) M Meagher 8-7 — J Fortune —
104 (1) 0 MYBOTYE 25 (A Moroney) G Oldroyd 8-4 — R Hills —
105 (4) 5 RED TIME 14 (P Fyvie) M Saunders 8-4 — N Adams —
106 (6) 00 WYDALE 21 (Mrs H Ellerby) M Ellerby 8-4 — C Teague (5) —
107 (10) 5 FEBRUARY 39 (The February Partnership) M Channon 8-2 — A Clark —
108 (2) 0 BABYSHOOZ 44 (M Pever) M Brittain 7-13 — G Bardwell —
109 (7) 0 SANDBLASTER 14 (G Wood) Miss J Craze 7-13 — J Fanning 82
110 (8) 000 SKELTON COUNTESS 32 (G Batley) R Hollinshead 7-13 — F Norton 85

BETTING: 4-7 Quinta Boy, 5-1 Abduction, 6-1 February, 10-1 Skelton Countess, 16-1 Some Horse, Sandblaster, 20-1 Mybotye, 25-1 others.

1994: IN GOOD FAITH 8-7 M Birch (3-1 fav) J Botomley 12 ran

FORM FOCUS

ABDUCTION about 3¾l 6th of 9 to Monsieur Culsyth in claimer at Beverley (5f, good to firm) on penultimate start. QUINTA BOY (foaled Apr 3; cost 5000gns). First foal, by Puissance: dam triple sprint winner. SOME HORSE (Mar 30; cost 4,600gns). Fourth foal, by Astronef: dam won in Italy. RED TIME 12¾l 5th of 8 to Whispering Dawn in seller at Chepstow (5f, good to soft). FEBRUARY 12¾l last of 5 to Alfelak in maiden auction at Wolverhampton (AW, 5f). BABYSHOOZ 14l 10th of 16 to Kunucu in maiden auction at Ripon (5f, good). SANDBLASTER 11l 8th of 12 to White Emir in maiden auction at Redcar (5f, good to firm).
Selection: ABDUCTION

3.15 DEWSBURY SELLING STAKES (£2,644: 1m 2f 6yd) (14 runners)

201 (5) 00-0001 LADY HIGHFIELD 14 (D,F) (Miss J Nicholls) M Ryan 4-9-5 — A Clark 86
202 (13) 53-4050 AERIAL VIEW 39 (E Goody) W G M Turner 4-9-4 — T Sprake 86
203 (4) 00/0- BEX BOY 149J (F Scheduler) M W Easterby 4-9-4 — M Wigham —
204 (3) 62/053-5 COMMANCHE CREEK 14J (V) (Up The Creek Partners) J Norton 5-9-4 — J Weaver 82
205 (10) 320/000 MREMEANLES 25 (F,G,S) (F Nicholls) J Wilson 5-9-4 — J Fortune —
206 (7) 0000-00 RENNYHOLME 8 (Mrs H Ellerby) M Ellerby 4-9-4 — S Morris —
207 (8) 000-000 GAMZATTI 10 (J Porteous) C Booth 4-8-13 — G Carter 75
208 (11) 600500 GREEK NIGHT OUT 6 (D,F) (Sunpak Potatoes) Mrs V Aconley 4-8-13 — T Williams 90
209 (14) 000066 ROSINA'S FOLLY 14 (Lavender Hill Leisure Ltd) J L Harris 4-8-13 — T Ives 94
210 (6) 000- LEEDONS PARK 251 (Abbots Salford Caravan Park) M W Easterby 3-8-5 — M Birch 91
211 (2) 600000 NEVER TIME 17 (Mrs A Malloson) Mrs V Aconley 3-8-5 — M Deering 84
212 (9) 43-0600 THE CAPE DOCTOR 17 (D Armitage) A Foster 3-8-5 — D Holland [illegible]
213 (1) 60 CUILLIN CAPER 30 (R Watson) T Watson 3-8-0 — J Quinn 87
214 (12) 00000-0 SHARMOOR 18 (T Haseltine) Miss L Siddall 3-8-0 — F Norton —

BETTING: 4-1 Lady Highfield, 9-2 The Cape Doctor, 5-1 Leedons Park, 7-1 Rosina's Folly, 8-1 Commanche Creek, Never Time, 12-1 others.

1994: NORTH ARDAR 4-9-4 J Weaver (7-2 fav) M Johnston 18 ran

FORM FOCUS

LADY HIGHFIELD beat I Fratello 1¾l in 19-runner seller at Leicester (1m 2f, good to firm), with ROSINA'S FOLLY (13lb better off) about 2l 6th. COMANCHE CREEK head and 3l 3rd of 8 to Nashville Star in claimer at Hamilton (1m 3f, good to soft) on penultimate start, July 1994. GREEK NIGHT OUT 7l 8th of 19 to Pop To Stans in selling handicap here (1m, good). NEVER TIME 8¾l 7th of 23 to Indian Jockey in selling handicap at Nottingham (1m 2f, good to firm), with GAMZATTI (9lb worse off) 5¾l 14th.
Selection: LADY HIGHFIELD

3.45 HEY GROUP HANDICAP (£7,440: 6f) (10 runners)

301 (10) 106151 CASTLEREA LAD 19 (CD,F,G) (Mrs T Graham) R Hollinshead 6-10-0 — L Dettori 94
302 (7) 253252 CROFT POOL 14 (D,G) (Countrywide Classics Ltd) J Glover 4-9-5 — T Ives [illegible]
303 (1) 12600-0 ENCORE M'LADY 32 (D,F) (F Lee) F Lee 4-9-5 — J Weaver 91
304 (4) 3325-00 BE WARNED 37 (D,F,G) (Madcoats) N Callaghan 4-8-4 — A Eddery (7) 94
305 (5) 2653-21 TWICE AS SHARP 17 (CD,G) (Formula Twelve) P Harris 3-8-12 — R Cochrane 98
306 (3) 36516-0 PYRAMUS 14 (B,S) (H De Kwiatkowski) Mrs L Piggott 4-8-12 — G Milligan (7) 87
307 (9) 00-3050 NAPOLEON STAR 12 (D,F) (Napoleon's Club) M Saunders 4-8-9 — N Adams 97
308 (2) 00-0500 TWO MOVES IN FRONT 11 (B,CD,F,G,S) (R Aird) J Berry 5-8-8 — G Carter 95
309 (6) 0506-53 CAVERS YANGOUS 11 (D,G,S) (F Leishead) M Johnston 4-8-5 — D Holland 97
310 (8) 54-3126 CHIMING IN 25 (CD,F) (B Hathaway) Mrs J Ramsden 3-8-4 — J Fortune 94

BETTING: 7-2 Castlerea Lad, 4-1 Twice As Sharp, 5-1 Croft Pool, 7-1 Encore M'Lady, Chiming In, 8-1 Napoleon Star, Cavers Yangous, 10-1 others.

1994: TWO MOVES IN FRONT 4-8-13 G Carter (9-1) J Berry 14 ran

FORM FOCUS

CASTLEREA LAD beat No Extras 2¾l in handicap at Goodwood (6f, good to firm). Earlier beat CHIMING IN (3lb better off) head in handicap over course and distance (firm), with TWO MOVES IN FRONT (1lb better off) about 2¾l 5th, CROFT POOL neck 7l 9th. TWICE AS SHARP beat Kimmeah head in maiden over course and distance (good). CAVERS YANGOUS 1¾l 3rd of 13 to Northern Spark in handicap at Carlisle (7f, good). CHIMING IN about 7¼l 6th of 12 to Anniversarypresent in handicap at York (7f, good). 5th of 14 to Join The Clan in handicap at Leicester (5f, good to firm), with PYRAMUS (4lb better off).
Selection: CHIMING IN

4.15 BOROUGH HANDICAP (£3,553: 1m 4yd) (15 runners)

401 (9) 3800-42 ONCE MORE FOR LUCK 17 (D,G,S) Mrs M Reveley 4-10-0 — R Cochrane 97
402 (14) 545400- ROOD MUSIC 261 (M Johnson) M Meagher 4-9-11 — J Fortune 89
403 (8) 100-005 MAURANGI 19 (D,F,S) (M Fenton) B Murray 4-9-6 — L Dettori 91
404 (5) 054023 SELF EXPRESSION 5 (D,F,G,S) (R Moody) Mrs J Ramsden 7-9-5 — G Carter [illegible]
405 (12) 008-631 INTENDANT 12 (D,F) (Marquesa de Moratalla) J Fitzgerald 3-8-3 — J Weaver 93
406 (6) 00060-0 JUST FLAMENCO 53 (C,S) (Mrs S Martin) M Ryan 4-9-2 — A Clark 94
407 (15) 1-8500- [illegible] R Armstrong 3-9-0 — R Price 90
408 (10) 000-644 POYLE JEZEBELLE 14 (C Wiggins) M Blanshard 4-8-12 — J Quinn 91
409 (2) 05-06 SOCIAL REGISTER 17 (Khalil Alsayegh) H Thomson Jones 3-8-10 — R Hills 88
410 (7) 0-04408 NOBBY BARNES 10 (D,F,S) (E Inciss) E Inciss 6-8-9 — Kim Tinkler 94
411 (13) 000000 IZZA 12J (V) (D Batey) W Storey 4-8-8 — J Fanning —
412 (15) 840/013 CHANTRY BELLINI 11 (B,D,F,S) Mrs S Austin 6-8-8 — Darren Moffatt (3) 98
413 (3) 0140-50 MARY MACBLAIN 19 (D,F) (D Jackson) J L Harris 5-8-3 — D Holland 92
414 (11) 00-0004 STUDIO THIRTY 10 (D Holder) R Hollinshead 3-7-10 — F Norton 92
415 (4) 0-01050 PASH 21 (D,S) (C Barber-Lomax) W Elsey 3-7-10 — N Kennedy 92

BETTING: 7-2 Self Expression, 5-1 Intendant, Once More For Luck, 6-1 Maurangi, 7-1 Poyle Jezebelle, 8-1 Nobby Barnes, Mary Macblain, 10-1 others.

1994: NO CORRESPONDING RACE

FORM FOCUS

ONCE MORE FOR LUCK neck 2nd of 13 to Rafter-J in claimer over course and distance (good). MAURANGI about 9l 5th of 16 to Somerton Boy in handicap at Newcastle (1m, good), with MARY MACBLAIN (8lb better off) 3½l 11th and NOBBY BARNES (2lb better off) ¾l 12th. SELF EXPRESSION ½l 2nd of 19 to Pop To Stans in selling handicap over course and distance (good) on penultimate start. INTENDANT beat My Handsome Prince short-head in 11-runner claimer at Ripon (1m, good to firm). POYLE JEZEBELLE about 4¼l 4th of 14 to Battergeion in handicap at Doncaster (1m, good). CHANTRY BELLINI beat Murphy's Gold 1¾l in 15-runner handicap at Beverley (1m 100yd, good to firm) on penultimate start, with MARY MACBLAIN (5lb better off) about 1½l 5th and MAURANGI (8lb better off) about 1l 9th.
Selection: SELF EXPRESSION

4.45 YOUNGSTERS CONDITIONS STAKES (2-Y-O: £3,534: 6f) (4 runners)

501 (4) 12 THE FRISKY FARMER 51 (F) (G Bush) W G M Turner 9-0 — T Sprake [illegible]
502 (2) 1 PERSIAN SECRET 10 (D,F) (Sheikh Mohammed) J Watts 8-11 — L Dettori 9[illegible]
503 (1) 1 DEERLY 13 (D,G) (Mrs C Holder) D Morris 8-9 — J Weaver 92
504 (3) 401 WHISPERING DAWN 14 (D,S) (W Ponsonby) M Channon 8-9 — R Hughes 85

BETTING: 5-4 Persian Secret, 2-1 The Frisky Farmer, 4-1 Deerly, 9-2 Whispering Dawn.

1994: CIM BOM BOM 8-11 M Fenton (7-4 fav) M Bell 8 ran

FORM FOCUS

THE FRISKY FARMER head 2nd of 5 to Sallo in conditions race at Thirsk (5f, good). PERSIAN SECRET beat Ramsey Hope 1¾l in 7-runner maiden-auction at Ayr (6f, good to firm). DEERLY beat Blues 7l in 6-runner seller at Leicester (6f, good). WHISPERING DAWN beat Natatari 4l in 8-runner seller at Chepstow (6f, good to soft).
Selection: PERSIAN SECRET (nap)

5.15 BATLEY HANDICAP (£3,407: 1m 2f 6yd) (11 runners)

601 (1) 0-00440 BRAILLE 21 (G,S) (Winning Feature Partnership) M Meagher 4-9-12 — J Fortune 93
602 (6) 1006-06 PHYLIAN 5 (CD,F) (D Shekells) S Williams 4-9-8 — T Ives 94
603 (7) 0150-30 NARBONNE 19 (S) (Saracen Racing) B McMath 4-9-5 — R Cochrane 94
604 (9) 033415 IMPERIAL BID 10 (D,F,G) (Lord Durham) Denys Smith 7-9-4 — J Weaver 92
605 (2) 000-000 PENDOLINO 38 (G) (I Booth) M Brittain 4-9-3 — M Wigham —
606 (10) 440-000 SALLYOREALLY 35 (Mrs B Storey) W Storey 4-9-1 — J Fanning 92
607 (3) 080-303 BENJAMINS LAW 17 (D Lowe) J Pickering 4-9-0 — Dean McKeown 92
608 (5) 00-0200 ABLE CHOICE 67 (G) (Dr Cornel Li) R Armstrong 5-8-10 — R Price [illegible]
609 (8) 360005 ZANZARA 28 (F) (J Cass) Mrs V Aconley 4-8-6 — M Birch 92
610 (11) 050000 ALLTIME DANCER 14 (C Webster) Mrs J Ramsden 3-7-13 — G Carter 91
611 (4) 806-080 BARDIA 19 (D,F) (E Inciss) E Inciss 5-7-7 — Kim Tinkler 96

Long handicap: Bardia 7-6.

BETTING: 11-4 Narbonne, 3-1 Benjamins Law, 4-1 Imperial Bid, 5-1 Phylian, Zanzara, 10-1 Braille, 20-1 Able Choice, 25-1 others.

1994: JOSEPH'S WINE 5-9-1 Alex Greaves (2-1 fav) D Nicholls 12 ran

FORM FOCUS

BRAILLE 1¾l 4th of 18 to Lam Fort in handicap at Doncaster (1m 2f 60yd, good to firm) on penultimate start with BENJAMINS LAW (1lb worse off) 8l 12th. PHYLIAN 5¾l 6th of 12 to Dulosky in handicap at Folkestone (1m 1f 149yd, good). NARBONNE 2¼l 8th of 14 to Kingchip Boy in handicap at Goodwood (1m, firm). IMPERIAL BID beat Latvian ¾l in 11-runner handicap at Edinburgh (1m 3f, good to firm) on penultimate start with BRAILLE (4lb better off) 12l 10th. BENJAMINS LAW ¾l 3rd of 12 to Straw Thatch in handicap over course and distance (good). BARDIA 1¾l 3rd of 11 to Keep Battling in handicap at Ayr (1m 3f, good to firm) on penultimate start with IMPERIAL BID (6lb worse off) ½l 4th.
Selection: BENJAMINS LAW

5.45 JUNE MAIDEN AUCTION STAKES (Div II: 2-Y-O: £2,717: 5f) (10 runners)

1 (6) BENNY GLOW (R Toozham) Mrs J Ramsden 8-7 — J Fortune —
2 (5) NKAPEN ROCKS (Lady Lilford) J Wilson 8-7 — T Ives —
3 (3) GOOD TO TALK (Mrs K Hall) M H Easterby 8-4 — M Birch —
4 (8) 5 NAPOLEON'S RETURN 35 (Bonaparte Partnership) A Foster 8-4 — J Weaver 91
5 (7) NEEDLE KNOT (N L Racing) M Johnston 8-4 — D Holland —
6 (9) RUSHCUTTER BAY (Treasure Seekers Prizes) T Clement 8-4 — Dean McKeown —
7 (1) 2202 BADGER BAY 10 (M Hall) John Berry 8-2 — J Quinn [illegible]
8 (10) 06 PRINCESS RENATA 12 (R Dawson) D Thom 8-2 — F Norton 92
9 (4) 4 MAGIC IMP 38 (The Flying Temple Partnership) W Musson 7-13 — G Carter 96
10 (2) 30 PATHAZE 17 (M Warner) N Bycroft 7-13 — J Fanning 93

BETTING: 5-2 Magic Imp, 4-1 Badger Bay, 9-2 Needle Knot, 6-1 Napoleon's Return, 8-1 Princess Renata, Benny Glow, 10-1 Pathaze, 12-1 others.

1994: NO CORRESPONDING DIVISION

FORM FOCUS

BENNY GLOW (foaled May 11, cost 4,800gns). By Presidium: dam won over 7f/1m. GOOD TO TALK (May 13, 2,000gns). By Weldnaas: dam won over 5f as a juvenile. NAPOLEON'S RETURN 5¾l 5th of 12 to Eastern Prophets in maiden auction at Doncaster (5f, good to firm). NEEDLE KNOT (May 25, 1,000gns). Half-brother by Don't Forget Me to a winner in Belgium; dam, half-sister to 2,000 Guineas winner Mister Baileys, placed at up to 1m 2f. BADGER BAY 3½l 2nd of 8 to Shafir in maiden auction at Catterick (5f, good). PRINCESS RENATA 7l last of 8 to Hever Golf Express in maiden auction at Folkestone (5f, good to firm). MAGIC IMP 2l 4th of 8 to Foreman in maiden auction at Newmarket (5f, good) with BADGER BAY (3lb worse off) 4l 6th. PATHAZE 3½l 3rd of 8 to Lunar Mist in seller at Haydock (5f, good).
Selection: MAGIC IMP

COURSE SPECIALISTS

TRAINERS	Wins	Rnrs	%	JOCKEYS	Winners	Rides	%
M Ryan	5	16	31.3	L Dettori	20	103	19.4
H Thomson Jones	7	28	25.0	G Hind	5	26	19.2
Mrs M Reveley	18	99	18.2	R Hills	12	76	15.8
M Channon	5	34	14.7	J Quinn	12	96	12.5
Mrs J Ramsden	19	137	13.9	R Cochrane	9	76	11.8
J Glover	8	61	13.1	J Weaver	7	64	10.9

WARWICK

THUNDERER
6.15 Princess Pamgaddy. 6.45 Code Of Silence. 7.15 Sharp Falcon. 7.45 Labibeh. 8.15 Soojama. 8.45 Myfontaine.

The Times Private Handicapper's top rating: 8.45 ROLLING WATERS.

GOING: GOOD TO FIRM (GOOD FINAL MILE) SIS
DRAW: 5F, LOW NUMBERS BEST

6.15 EUROPEAN BREEDERS FUND ROYAL MAIDEN STAKES (2-Y-O fillies: £3,785: 5f) (9 runners) SKY

1 BAIZE R Johnson Houghton 8-11 — J Reid 4
2 CLINCHER CLUB M Johnston 8-11 — T Williams 8
3 4 EXCEEDINGLY 16 W Jarvis 8-11 — A McGlone 9
4 0 MYSTIC DAWN 54 S Dow 8-11 — W Ryan 5
5 3 PRINCESS PAMGADDY 20 J Berry 8-11 — G Hind 6
6 SPLICING J Fanshawe 8-11 — D Harrison 2
7 VOLARE M Pipe 8-11 — D R McCabe (3) 1
8 0 WILLOW DALE 19 D Elsworth 8-11 — W Carson 3
9 0 ZUNO PRINCESS 72 G Lewis 8-11 — J Quinn 7

5-2 Princess Pamgaddy, 3-1 Exceedingly, 4-1 Clincher Club, 5-1 Splicing, 8-1 Baize, 10-1 Willow Dale, Volare, 12-1 others.

6.45 WARWICK FESTIVAL CLAIMING STAKES (3-Y-O: £3,149: 7f) (8) SKY

1 6022 KOMODO 13 (BF) D Elsworth 9-7 — A Procter (5) 3
2 0323 SAPPHIRE SON 14 (V,D,G) C Williams 9-1 — W Ryan 1
3 -416 EMPHATIC CANDIDATE 18 (D,F) R Akehurst 8-13 — S Sanders (3) 2
4 0564 A MILLION TO ONE 14 (G) M Bell 8-10 — M Fenton 6
5 0600 DELIGHT OF DAWN 14 (D,F,G) K Ivory 8-10 — C Scally (7) 8
6 5405 CODE OF SILENCE 10 G Charles-Jones 8-9 — P McCabe (5) 4
7 45-0 EILEEN'S GUEST 41 R Williams 8-2 — D Biggs 7
8 6604 EMBEZZLER 12 (B) G Lewis 8-1 — W Carson 5

9-4 Komodo, 11-4 Emphatic Candidate, 3-1 Sapphire Son, 6-1 A Million To One, 7-1 Embezzler, 10-1 Eileen's Guest, 12-1 others.

7.15 F A SIMMS HANDICAP (£3,914: 1m 4f 115yd) (3) SKY

1 5362 SHARP FALCON 18 (F,S) J Wharton 4-9-10 — J Reid 1
2 0000 ISMENO 24 S Dow 4-8-10 — W Ryan 2
3 2-26 LONE RISK 37J (C,BF,G,S) C Allen 4-8-2 — J Quinn 3

2-9 Sharp Falcon, 5-1 Lone Risk, 6-1 Ismeno.

7.45 HAZY DAYS RATING RELATED MAIDEN STAKES (£3,260: 1m 4f 115yd) (6) SKY

1 0034 BACKVIEW 10 B Llewellyn 3-8-9 — R Price 2
2 005 BADDI QUEST 14 B Hanbury 3-8-9 — M Rimmer 4
3 0-00 COLT D'OR 16 J White 3-8-9 — M Fenton 6
4 00-0 ALPINE STORM 49 M Usher 3-8-4 — C Adamson (7) 1
5 50-6 FRESH LOOK 51 R Johnson Houghton 3-8-4 — J Quinn 3
6 06-0 LABIBEH 28 J Dunlop 3-8-4 — W Carson 5

2-1 Labibeh, 3-1 Backview, 4-1 Fresh Look, Baddi Quest, 12-1 Colt D'Or, Alpine Storm.

8.15 NURSERY WOOD HANDICAP (£3,465: 2m 20yd) (7)

1 3532 LALINDI 16 (C,G,S) D Elsworth 4-10-0 — A Procter (5) 7
2 -062 COLERIDGE 16 (B,D,F,G) J Sheehan 7-8-6 — D R McCabe (3) 4
3 30-0 JOYS FIRST 39 H Collingridge 4-8-0 — J Quinn 1
4 2551 SOOJAMA 5 (D,F,G) R Flower 5-7-13 (4ex) — D Biggs 6
5 0-00 GENTLEMAN SID 5 P Murphy 5-7-7 — Dale Gibson 5
6 0600 SECRET ASSIGNMENT 30 R Curtis 5-7-7 — G Bardwell 2
7 4004 SHARUKE 12 J Moore 3-7-7 — N Varley (5) 3

7-4 Lalindi, 9-4 Soojama, 5-1 Coleridge, 8-1 Joys First, 10-1 Sharuke, 16-1 Gentleman Sid, 20-1 Secret Assignment.

8.45 GALLOWS HILL HANDICAP (£3,290: 1m 2f 169yd) (8)

1 0511 MYFONTAINE 5 (CD,F,G,S) K Ivory 8-10-1 (5ex) — G Bardwell 2
2 5500 LADY VALENSINA 10 B Llewellyn 4-9-9 — R Price 4
3 20-0 DANCING DESTINY 25 J Fanshawe 3-9-7 — D Harrison 8
4 00-4 BELL CONTRACTORS 14 C Broad 3-9-5 — D R McCabe (3) 7
5 -240 PORTE BELLOCH 14 (BF,G) C Nash 4-8-10 — R Perham 5
6 100C ROLLING WATERS 15 (G) J Toller 5-8-7 — T Williams 6
7 000 SHEPHERDS REST 21 S Mellor 3-8-7 — A Daly (7) 3
8 5400 LEXUS 28 (G) R Williams 7-8-5 — D Biggs 1

Evens Myfontaine, 4-1 Dancing Destiny, 5-1 Rolling Waters, 6-1 Bell Contractors, 12-1 Porte Belloch, Shepherds Rest, Lexus, 16-1 Lady Valensina.

COURSE SPECIALISTS

TRAINERS: R Williams, 4 winners from 14 runners, 28.6%; G Lewis, 11 from 46, 23.9%; J Dunlop, 10 from 48, 20.8%; D Elsworth, 3 from 16, 18.8%; M Pipe, 7 from 38, 18.4%; K Ivory, 6 from 33, 18.2%.

JOCKEYS: W Carson, 15 winners from 69 rides, 21.7%; J Reid, 15 from 81, 18.5%; W Ryan, 9 from 53, 17.0%. Only qualifiers.

□ Brendan Powell received a ten-day ban for causing intentional interference in the Grimley National Hunt Flat Race at Worcester on Saturday. After riding the favourite, Take Cover, to victory, the stewards found Powell guilty of hampering Cades Bay, who finished eleventh. The ban runs from June 19 to June 29.

LEADERS ON THE FLAT

TRAINERS

	1st	2nd	3rd	Days since win	Level stakes
J Berry	45	32	46	2	-132.00
M Johnston	39	45	41	0	-93.48
R Hannon	38	37	35	2	-168.65
M Channon	37	31	30	0	-28.60
R Hollinshead	35	36	46	7	-89.27
J Gosden	33	21	23	1	-5.32
C Brittain	29	22	30	2	+47.56
J Dunlop	28	25	31	2	-28.84
P Cole	26	17	23	1	-5.85
M Stoute	24	23	14	0	-29.47
H Cecil	23	27	16	8	-33.01
Mrs J Ramsden	23	26	13	2	-35.42

JOCKEYS

	1st	2nd	3rd	Losing sequence	Level stakes
L Dettori	99	83	68	9	-73.24
J Weaver	78	73	67	2	-115.46
K Darley	61	48	45	0	+18.02
R Cochrane	49	36	44	5	-49.62
Pat Eddery	46	26	26	0	-6.07
J Carroll	42	34	31	14	-53.29
T Ives	41	35	33	1	-76.34
W Carson	37	24	24	0	-43.83
J Reid	37	32	25	5	0.83
T Quinn	37	35	38	7	-36.37
M Fenton	39	22	21	18	-38.82
K Fallon	28	28	19	1	-13.14

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What is it about carriage driving that makes 20,000 Britons such devotees? **Christian Dymond** finds out

Instructor Karen Bassett, one of the best carriage drivers in the world, puts Robert Grose and Walter the horse through their paces. The whole Grose family — Robert, his wife Lynn and children Ben and Sarah — is involved in this sociable sport

Go together with a horse and carriage

The Grose family's first taste of carriage driving was inauspicious. Three times their pony Beauty almost turned into a beast. Once he reared up when a lorry went by and twice he bolted. "We realised that Beauty didn't have the right temperament for driving," Lynn Grose says. "He wasn't totally trustworthy so now we just use him for riding, as we always did."

Beauty's role has been assumed by a New Forest pony called Walter, who is seemingly blessed with the road sense of an advanced driving instructor. "He is a true gentleman in harness, just the sort of pony you need when you are starting out in this sport," says Lynn's husband Robert. The family, including eight-year-old Ben and Sarah, six, derive much of their pleasure from trotting out in nearby Windsor Great Park at weekends, but last Easter Monday they attended their first "fun day" to tackle a six-mile marathon and test their skills on an obstacle course. More serious competition is contemplated for the future.

"I've been horse riding for many years but I wanted to do something which would involve us all," Mrs Grose says. "Carriage driving is a very sociable sport, quite a challenge and tremendous fun. With sound advice and the right horse or pony anyone can do it.

SPORT FOR ALL

"But you must remember that horses and ponies are not like cars, with a brake, clutch and accelerator. The use of your voice is therefore very important and so is an understanding of the animal."

The couple bought their carriage for £1,000 and the harness cost £500. Both, though, can be bought more cheaply. Walter is on loan from a friend and lessons have been £25 an hour at the Oxfordshire driving school run by Karen Bassett, one of the best four-in-hand drivers in the world.

The Grose family has joined the British Driving Society, whose 5,500 members tend to be people who drive for pleasure, for showing or long-distance driving. The society has a list of more than 70 driving instructors throughout the country and also runs proficiency tests for different levels of carriage driving competence.

It is reckoned that more than 20,000 people are involved in the sport. "The sport attracts a wide spectrum of the population and a very big age range," says Jennifer Dillon, secretary of the BDS. "It is something the whole family can do together while maintaining the traditions of carriage making and the skills in driving them."

Ms Bassett inhabits the sport's equivalent of Formula One racing. Nothing in competition terms comes more powerful than a team of four horses.

For five hours a day on average, six days a week, she trains her five horses — there is one spare tyre, as she puts it — at the stud where they reside in Oxfordshire. The rest of the time she devotes to her driving school there, specialising in the teaching of children.

She took up the sport when she was eight years old and too big to ride her Shetland pony. Her parents tried to sell the pony on, but he would not behave himself with any other owner and so was broken to harness instead.

"When you start carriage driving it's vital to have a very safe horse or pony, one that's not going to take advantage of you and cause an accident if you make a mistake. Safety must always comes first," she says.

"An outgrown child's pony often makes a very good driving pony, but whatever you use should be professionally broken to harness. It's also advisable to see whether the horse or pony can be used for driving before taking lessons."

By the time she was 12 she was driving four ponies. Four years later she won the national pony team championship, a feat she repeated five times over the following nine years. In 1991, having achieved as much as she could with the ponies, she moved up a gear to driving a team of Trakehner horses.

"The first thing I did was to teach them to listen to my voice and not to be scared of any noise behind them," she says. "Then over several months I had to find out which position in the team suited each horse. The front pair should be forward going and unflappable, the two behind are usually the more powerful."

Her aim now is to be the best in the world at what she does, something her sister, a year older than her, may have something to say about — she drives a team of Lipizzaner horses.

At this level of competition the sport comes under the auspices of the British Horse Society Horse Driving Trials Group. In this year's calendar there are 15 major events up and down the country, including the international, invitation-only Royal Windsor in May. Many small clubs affiliated to the Trials Group put on competitive events as well. Horse driving trials take place next weekend at Tatton Park, Cheshire.

Bassett teaches Grose; Mark Colvin harnesses a team

At big meetings there is one day for dressage (two at Royal Windsor), one day for a marathon, complete with obstacles and generally over 20 to 27 kilometres, and a third for the testing of skills and fitness through a course of cones. Competitions involve both horses and ponies: novice, single, tandem (one in front of the other), pairs and teams.

"It may be competition, but there's a very friendly atmosphere and the major events are all held in wonderful places," says Carolyn Simm, the Trials Group secretary.

For Ms Bassett there is a rather large price to pay for being at the top: she reckons £25,000 is the annual cost of maintaining her team of horses and, as she has no sponsor at present, she recently put on a seven-venue roadshow to raise funds, demonstrate skills and promote the sport.

With four years of training behind them her horses Kangaroo, Gaukler, Dan Dare, Fuzsa and Korsar II, the "spare tyre" — all with the prefix Muschamp, which is the name of their stud — should now be entering their peak performance years.

"Driving a team of horses is physically very demanding, but it's a magical experience to sit behind them," she says.

SHEEHAN on BRIDGE

Dealer South **Game all** **Teams**

North: ♠A654 ♥863 ♦9785 ♣J2

West: ♠972 ♥Q95 ♦Q1062 ♣AQ10

East: ♠Q1083 ♥74 ♦43 ♣K9654

South: ♠KJ ♥AKJ102 ♦AKJ ♣873

S	W	N	E
2 NT (1)	Pass	3 ♣ (2)	Pass
3 ♥	Pass	3 NT	All Pass

Contract: 3 NT by South. Lead: Two of diamonds

BY ROBERT SHEEHAN
BRIDGE CORRESPONDENT

(1) 20-22 points (2) Asking for four-card majors.

This hand is from the South African National Bridge Congress Teams, played in May. West's lead of the two of diamonds was taken by South with the jack. South played the jack of spades to the ace, and returned a heart to the seven, jack and queen. What should West do?

Irving Rose switched to the the queen of clubs, and when that held continued with the ace and ten. He could tell from the play to the first trick that the declarer had the ace, king and jack of diamonds. The play of the jack of spades to the ace strongly suggested the declarer had K J alone in spades — certainly, by blocking the spade suit it was clear he ws not expecting to make tricks in that suit.

Finally, the play of the hearts suggested the declarer had A K J (notice it was good play by the declarer not to play off the ace first — that would have made the position completely clear). So Rose could see that the declarer had four points in spades, eight in hearts and eight in diamonds. The danger was that if he had a fifth heart he had nine tricks — two in spades, four in hearts and three in diamonds. Hence East-West had to take five tricks now, and clubs was the only suit where that was possible.

☐ Robert Sheehan writes on bridge Monday to Friday in Sport and in the Weekend section on Saturday.

KEENE on CHESS

BY RAYMOND KEENE
CHESS CORRESPONDENT

Player of the Year

The British Chess Federation has announced that Michael Adams has won the Leigh Interests Player of the Year award, ahead of Harriet Hunt, Jon Speelman, William Watson and Nigel Short. A key component in the decision to award Adams the accolade was his shared victory in the Seville tournament last month, where he tied for first place with Gata Kamsky and the FIDE champion Anatoly Karpov. Adams thus secured one of the highest rating performances of any British player since the system was introduced in the early 1970s. Here are the full results of Seville.

	1	2	3	4	5	6	7	8	9	10	
1 Kamsky	*	1	1	½	½	0	½	1	½	½	5½
2 Karpov	0	*	½	½	½	½	1	½	1	1	5½
3 Adams	0	½	*	½	½	½	½	1	1	1	5½
4 Polgar	½	½	½	*	½	½	½	½	½	1	5
5 Gelfand	½	½	½	½	*	½	1	0	½	1	5
6 Illescas	1	½	½	½	½	*	1	0	0	½	4½
7 Lautier	½	0	½	½	0	0	*	1	1	1	4½
8 Piket	0	½	0	½	1	1	0	*	½	½	4
9 Salov	½	0	0	½	½	1	0	½	*	½	3½
10 Shirov	½	0	0	0	0	½	0	½	½	*	2

In the above table 1 = a win, ½ = a draw and 0 = a loss

The following game shows Adams in incisive form from another Spanish tournament which followed immediately on Seville.

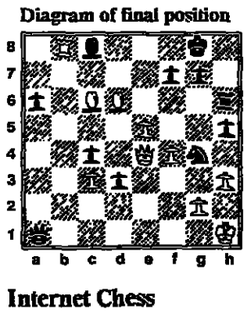
White: Sion
Black: Adams
Leon, May 1995

Ruy Lopez

1	e4	e5
2	Nf3	Nc6
3	Bb5	a6
4	Ba4	Nf6
5	0-0	b5
6	Bb3	Bc5
7	Nxe5	Nxe5
8	d4	Bxd4
9	Qxd4	d6
10	f4	c5
11	Qc3	Neg4
12	e5	Ne4
13	Qf3	d5
14	c4	bxc4
15	Ba4+	Kf8
16	Bc6	Rb8
17	Nc3	Nxc3
18	bxc3	d4
19	Ba3	Kg8
20	Bxc5	d3
21	Rab1	Rxb1
22	Rxb1	h5
23	Qe4	Rh6
24	Bd6	Qh4
25	h3	Qf2+
26	Kh1	Qxa2
27	Rb8	Qa1+

White resigns

Diagram of final position



Internet Chess

Chess enthusiasts at Warwick University have set up a chess challenge facility on the internet. If you want to play chess via e-mail through the British Internet Chess Server then you can connect up at *telnet holly.csv.warwick.ac.uk 5000*.

☐ Raymond Keene writes on chess Monday to Friday in Sport and in the Weekend section on Saturday.

WORD-WATCHING

By Philip Howard

ELDRITCH
a. Rich and old
b. Weird
c. A young lizard

MANDUCATE
a. To make a meal of
b. To educate boys
c. A ducal territory

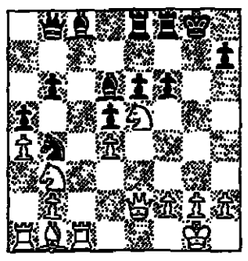
CHREMATOPHOBIA
a. Fear of fire
b. An Alpine succulent
c. Terror of money

LIMPOPO
a. A fruit
b. A monkey
c. An infectious rash

Answers on page 45

WINNING MOVE

By Raymond Keene



This position is from the game Wall - Smith, Four Nations Chess League 1995. Here White tore into the weakened Black kingside with a powerful sacrifice. Can you see how?

Solution on page 45

CONTACTS

FOR further information call Karen Bassett (0831 277778); the British Driving Society (01926 624420); the British Horse Society, horse driving trials group (01926 815206)

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Feasting on fish and ships

Judith Parsons goes overboard in the Indian Ocean to explore two very different dive resorts in the Maldives

The perennial problem for Britain's fast-growing number of sport divers (43,000 qualified last year alone) is how to go further afield, especially if you want warm water, exotic fish and unspoilt coral. It is with this tropical diver in mind, and anyone who would like to learn, that Hayes & Jarvis has introduced the first, long-overdue, package-priced holiday brochure: Diving Worldwide.

Declan Faughnan, responsible for the new dive section, says: "At last we can offer economies of scale that the small, specialist operator will find impossible to match, particularly on routes to the Maldives, Red Sea, and Kenya, where we operate a charter with Monarch Airlines."

Mr Faughnan spent last year exploring sites from the Great Barrier Reef to Fiji. He says new destinations from September will include Australia and Sipadan in Borneo. Belize, the Comoros and Guatemala are under discussion for the future.

> Some of the islands offer simplicity; others are Westernised

This summer, the Maldives are particularly good value. The water in this part of the Indian Ocean is a constant 28-30C, and visibility often 60 metres. The diving is second to none, and possible all year round. The 26 atolls (400 miles southwest of the southern tip of India) which make up the republic form a north-south chain of 1,190 islands with an infinite number of lagoons and reefs.

So far, the Muslim Government has set aside 74 islands for tourism and diving. But be warned, the islands can vary enormously — some still offer simplicity; others have become so Westernised, because of pressure to "upgrade", that the Maldivian touch is slipping away.

On a two-week break it is possible to explore more than one atoll. I dived at two radically different sites: Kanifinolhu in the North Male atoll, a traditional and upgraded island (300 guests), and a brand new resort further south at Lily Beach in Ari atoll (168 guests), which includes a spectacular helicopter transfer. Both islands offer a full range of Padi diving courses and forbid diving below 30 metres or touching the corals.

Kanifinolhu (known as Kani) is a leafy but busy retreat, 90 minutes by local boat (*dhoani*) north of Male airport and the capital. The dive school is run by the Swiss company Eurodivers, the largest dive operator in the Maldives. Birgit Haubner, dive base leader, says: "Kani attracts plenty of divers: with 20 dive sites in three main channels near by you are guaranteed current, soft corals and large fish — especially sharks and eagle rays."

One particularly unusual dive from Kani is the day trip by *dhoani* to the *Victory* wreck lying in 45 metres of water off Male. Allegedly the victim of an insurance fiddle 14 years ago, the container vessel lies suspiciously upright, having once carried luxury goods, including motor cars and whisky.

Hanging on to a diving line in strong current 30 metres beneath the surface, the ghostly outline of the *Victory* emerges. It is a desolate sensation looking over the bow into an empty horizon, on a voyage to nowhere. The deck is scattered with coral-encrusted radios left by underwater looters — the plundered holds now the lonely domain of coralgrouper.

These images are just one of the reasons why diving in the Maldives can be so special. A more typical dive would be Banana Reef. At 16 metres we drifted over complex coral formations, swam among Hawksbill turtles and curious Indian batfish, over the gaping jaws of moray eels and through shoals of sweetlips.

In contrast, Lily Beach is the bold new face of Maldivian tourism. No logistical hurdle is too great for the tourist's comfort. Opened last November at a cost of £4.7 million, Lily Beach has made a quantum leap from a 550-metre long desert island with coral gardens to a luxury resort.

The dive school, which has just opened, is run by Oceanpro, a Swiss company with three bases in the Maldives. Thomas Waelchli, who runs the base, says: "We have 25 sites but are still in the experimental stage." He advises divers to come here not only because the beer is free and the standards high, but because the diversity of fish is unexpected. It was also an unexpected pleasure to use brand new dive gear, from Seaquest stab jackets to Spiro regulators. In addition, the wet room is designed to avoid the usual rinsing scrum.

PICTOR

Rush-hour on the reef: Borneo, Belize, the Comoros and Guatemala are tipped as new dive destinations

Whether your interest is bivalves or hexacorals, the reefs around Lily Beach are mesmerising. At 15 metres off Beru Tila everything in the water seems to dance to a separate but syncopated beat. Orange clouds of tiny anthias shimmer, while grey reef sharks circle brittle forests of giant coral fans which tremble in the current. Suddenly, a manta ray undulates by, adding another dimension to your dive.

● *The writer was a guest of Hayes & Jarvis (Travel) and Monarch Airlines. Details/special late offers: 0181-741 9942. Kanifinolhu Island: 14 nights half-board from £744. Learning to dive: Padi Open Water Certificate from £165; six days no limit diving (tank/weights only) from £161. Lily Beach: 14 nights all inclusive plus helicopter transfer from £999. Learning to dive: Padi OW Certificate from £288; six days no limit diving (tanks/weights only) from £154.*

DIVE TECHNOLOGY

Mixed gas opens new era for sport

A NEW dimension is within reach of experienced sport divers now that they can use nitrox — air enriched by a mixture of oxygen and nitrogen. Traditionally used exclusively by the professional or military diver, nitrox was sanctioned for use by sport divers by the British Sub-Aqua Club (BSAC) last month.

Improvements in training methods and in equipment, together with pressure from the sport diving community, persuaded the BSAC that the benefits of nitrox outweighed the potential disadvantages.

Basically, divers using an enriched air nitrox mixture are safely able to remain deeper for longer than if they were relying on compressed air alone. Time spent in decompression may also be reduced, and many nitrox enthusiasts claim that breathing a mixture of gases allows greater comfort and security during a dive. For a diver who is correctly trained, whose equipment is monitored by a dive computer, such as the Aladin nitrox computer, and armed with an alarm that warns when toxic oxygen or nitrogen levels threaten, the balance of risk has been tilted towards allowing nitrox into a widely popular area.

The laws of physics and physiology remain unchanged, but the equipment and training available through specialist training organisations has improved. The BSAC may now claim to be the first large dive training organisation to develop its own nitrox courses, albeit that they will not start until the end of 1995. The International Association of Nitrox and Technical Divers UK and Technical Diving International already offer training at 30 dive centres in Britain.

Divers seeking the BSAC nitrox qualification must hold a sports diver certificate and have logged 20 open-water dives since qualifying. The BSAC advanced nitrox diver using any enriched air nitrox mixture, including use as a decompression gas, must first be qualified as a BSAC advanced diver and hold a BSAC nitrox diver certificate.

The club is, sensibly, a cautious organisation and can hardly claim to have been on the leading edge of mixed-gas development. The first recorded use of nitrox is thought to have been for medical purposes in 1794. The first mixed-gas dive was made probably in the late 19th century, and military divers on both sides in the First World War used a 60-40 per cent mixture of oxygen and nitrogen as it left no tell-tale bubbles.

Rob Palmer, a director of Technical Diving International (Europe), believes that mixed-gas diving has enormous potential to extend underwater exploration. His company has run training courses in mixed-gas diving for four years. Using rebreathers, he points out, the entire European continental shelf is open to surface-to-surface divers.

Early warning system: the Aladin nitrox dive computer

He says: "This raises important questions for marine archaeology as just one example. The number of wrecks that will come within sport diver range is vast, and this alone has major implications for marine conservation."

Mr Palmer believes mixed gas diving will take an important step towards simplification with the introduction later this year of the Atlantis 1 nitrox rebreather system by Draeger, the German dive equipment company. The system, which will cost between £3,500 and £4,000, is designed automatically to monitor and control gas flow and the security of the diver.

RONALD FAUX

● *Training courses using the Draeger system run this summer in the Bahamas. Details: Technical Diving International, Unit 7, Elliott Road, West Howe Industrial Estate, Bournemouth BH11 8JX. The International Association of Nitrox and Technical Divers, 42 Marsh Road, Thatcham, Berks RG13 4DR.*

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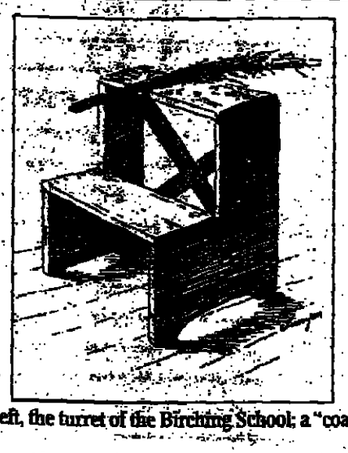

JOEL CHANT/NEWSTEAM

Then and now at Rugby: from left, the turret of the Birching School; a "coaching block"; football played in the manner of Webb Ellis in 1823; the first girls, in 1991; and Michael Mavor, the present Headmaster, still using Arnold's room

The head who shaped history

Thomas Arnold — Tom Brown's beloved 'Doctor' — was born 200 years ago tomorrow. David Tytler reports on how Rugby School is dealing with his legacy

Few headmaster's studies have views over playing fields where a world sport began. Michael Mavor, the head of Rugby School, scene of *Tom Brown's Schooldays* and the birthplace of Rugby football, still uses the room of Thomas Arnold, the most famous of all Rugby headmasters. In the corner is a small wooden door that leads to a staircase used by the fictional Tom Brown more than 150 years ago and by generations of pupils who wanted to see the head privately without having to walk through the house. They still do, except that some of the students now are girls.

Mr Mavor, who moved to Rugby five years ago after 11 years as headmaster of Gordonstoun, says: "There is a feeling of history and tradition that unites generations of pepple who have been working together here. Like Arnold, we believe in the importance of the house system, where people live and eat together in their own dining room.

"There is a direct connection between Arnold and the modern Rugby and our philosophy to let pupils take responsibility for themselves, although of course there is now greater stress on comfort and pastoral care, with resident house matrons, as well as the housemaster or mistress and their assistants. The spiritual side of life is also important here and though I am not churchy myself I am still aware of it."

Tomorrow is the 200th anniversary of Arnold's birth in West Cowes in the Isle of Wight. He won a scholarship to Winchester and went on to Corpus Christi College, Oxford, becoming a Fellow of Oriel at 19. A considerable scholar, Arnold in his lifetime was best known as a religious and political figure. He is best remembered now as the reforming head of Rugby School and through Tom Brown and its various film and television adaptations in which he is referred to only as "the Doctor".

Rugby was one of seven English public schools with a national reputation in 1827 when Arnold, at 32, was appointed head — without interview and solely on written references. He died in the school the day before his 47th birthday. His place in popular mythology was assured by *Tom Brown's Schooldays*, written by Thomas Hughes, one of Arnold's pupils in School House, and published in 1857. His place in the history of independent education is less sure.

Some see him as the architect of the modern public school with its house system, broad curriculum and pastoral care. Many of the reforms were already under way, however, when Arnold moved to Rugby from Oxford. He was not a great believer in the broad curriculum, prefering to rely on the classics which he taught in the still-enduring Upper Bench with its carved initials of former pupils, including that of Neville Chamberlain.

> 'We want to mark Dr Arnold's birth by looking forward'

It is true, though, that during his time at Rugby, the moral and religious tone improved and the house system was reformed to become the basis for the modern boarding school. Until Arnold, the houses had been run commercially by "dames" with no pastoral role. He replaced them with housemasters and the prefect system, one of them a head of house, took over.

A realistic view of Arnold is given in the biography by Michael McCrum, who taught at Rugby and who went on to become head of Eton. "His main achievement," wrote McCrum, "was to restablish confidence in public schools, to put heart into a moribund system. This he effected by his single-minded fierce determination to turn out Christian gentlemen."

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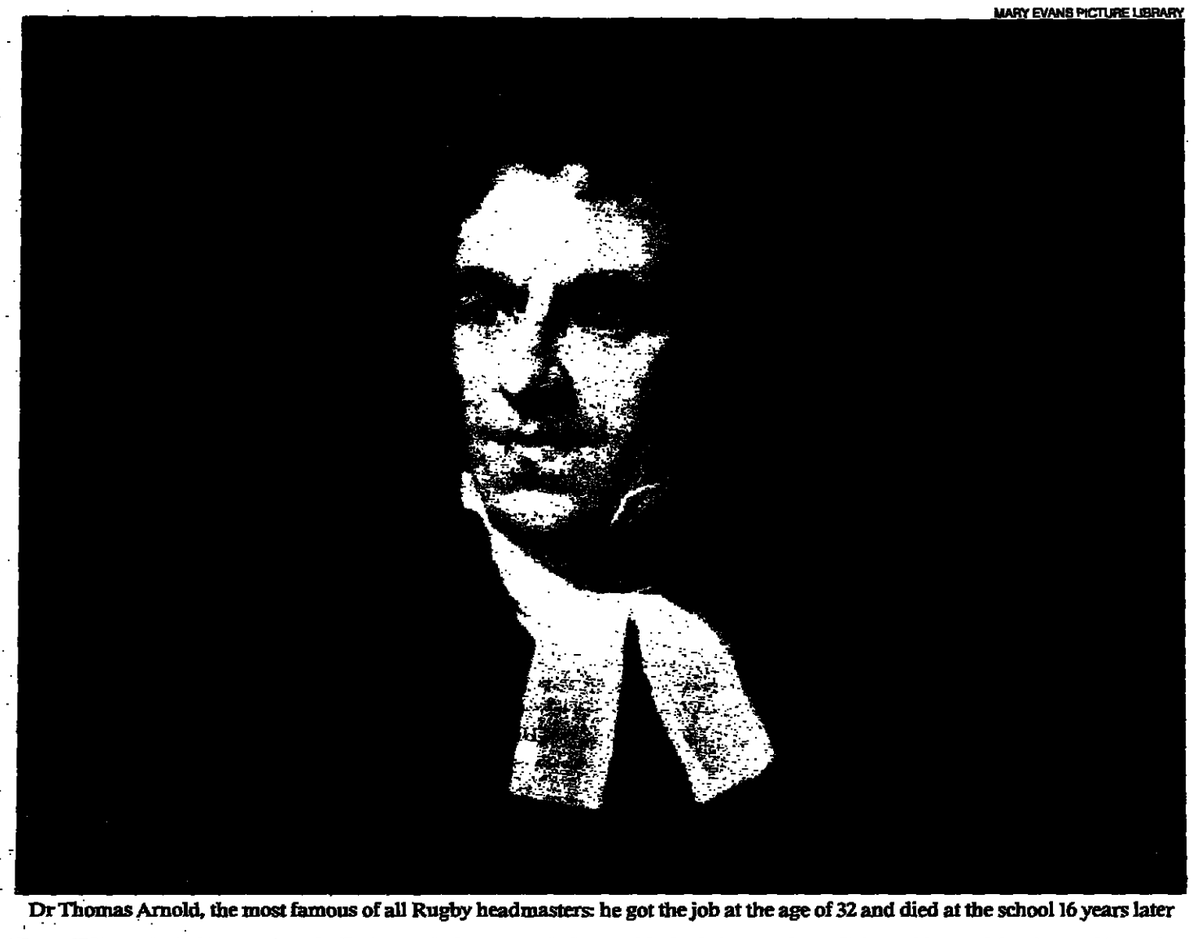

Dr Thomas Arnold, the most famous of all Rugby headmasters: he got the job at the age of 32 and died at the school 16 years later

School House, the centre of Rugby and the building that Arnold moved into as head, is nearing the end of an £850,000 rebuilding programme and will be open to pupils in September, offering the very best in boarding school accommodation. Preserved within it are the dining room with its notorious open fire where Tom was roasted by Flashman, the best-known bully in history; Tom's study; and the Birching Tower, where boys went to be beaten. All now have different purposes.

The modern boarding school can well do without being reminded of Flashman, but for the students at Rugby he barely registers. His successors, if they exist, are quickly dealt with. Mr Mavor says: "The process of change is what Rugby is all about, and that is what Arnold did in his time. The problem was that this was a tough school in many ways.

"There were some very distinguished scholars on the staff, but there was a divide betweeen teaching and the pastoral side of the school and as a result the boys, in many respects, ran the houses. The green baize door to the housemaster's house closed and the boys did not go through it. That has changed and it is right that it has. It is important that boys and girls and the staff do things together."

Louise Woolcock, who joined the sixth form from a day school in Oxford last September, is studying biology, chemistry and mathematics at A level, and wants to go on to study medicine. She is aware of the history of the place and is particularly impressed with the Edwardian green and white tiles in the chemistry laboratory, which in all other respects is equipped to a high modern standard.

She says: "Before I came here, my mother made me watch a videotape of *Tom Brown's Schooldays* and I couldn't really understand why. It meant absolutely nothing to me. Now I can see that the place is steeped in tradition and when you come here you become part of that history. I take great pride in people coming to see the school, but this does not detract from Rugby being a very modern school with modern ideas. Rugby is more than a school. There is so much to do that I cannot remember the last time I watched TV. When I go home, my parents say I cannot stop talking about the school and all that happens here."

Like all those connected with the modern Rugby with its fees of £12,000 a year and nearly 1,000 pupils, Mr Mavor is conscious of its debt to the past but more interested in the future. "Rather than concentrating too much on Dr Arnold and the past," he says, "we want to commemmorate the event by looking forward.

"There will be a memorial service tomorrow in the school chapel where Arnold is buried, but the main events will be an arts festival for the school and the town and the reopening of School House, the rebirth of Arnold's old school. We felt we had to build the best boarding house in the best school in England. We had to have faith, and it was absolutely justified."

In the relatively short time he has been there, Mr Mavor has presided over a number of changes, not least moving the school to full co-education in 1993 after several years in which girls had been admitted to the sixth form, together with the building programme.

The school, he says, "always had been pretty sharp academically" and had a good reputation for sport. But now there is a greater emphasis on the arts and design, which has its own specialist block, including a television studio that would not disgrace a regional station.

Roly O'Connell, who is in the lower sixth, has been in the school since he was 13. He, too, enjoys the sense of history, particularly as a keen rugby player hoping to get into the first XV next season and to play on the pitch where the game was invented by William Webb Ellis in 1823.

While proud of the Rugby tradition, Roly concentrates on more recent history. "There is a great sense of something special about playing on that pitch and while you are getting changed in the St James Pavilion," he says. "And there is terrific atmosphere when you look out on to the fields where the All Blacks played in 1991."

Two centres, in different part of Britain, are devising ways to stimulate interest in subjects all too often sidelined

A big puff for the suffering sciences

Some subjects need all the help they can get and a £7 million centre aims to give it

Ministers may decry the trend and academics might speculate on the reasons behind it, but there is no doubting the continuing reluctance of young Britons to study science and engineering.

Figures for applications to higher education released last week showed that the number of applications to engineering and some key science subjects has fallen again.

Professor John Beetlestone, the creator of a new £7 million science discovery centre on Cardiff's waterfront, believes the answer lies in stimulating young people's imagination, as well as their intellect. He aims to make science as central to British culture as music and sport.

Techniquest has just moved into purpose-built accommodation on Cardiff's waterfront, partly financed by the European Union.

Professor Beetlestone says: "Our job is to remove the fear and alienation that people feel about science, so we present beguiling exhibits that make the subject intriguing and relevant. Children are attracted and excited, and they find themselves wanting to learn more about how science works."

The 160 exhibits, which illustrate chemical reactions, physics phenomena and the basics of biology and geography are all made at Techniquest. More than half have been invented at the centre, and copies of these have been sold to science centres abroad.

The exhibits range from bubble-making machines and colourful kaleidoscopes to innovative musical instruments, such as a harp that is played by laser lights instead of traditional strings. But the exhibits are only the first stage of the Techniquest experience. Once children are hooked, they want to know more, so "theme weeks" have been established.

Many of the 60,000 pupils expected this year will attend such sessions, where an aspect of science related to their class work will be featured. Topics include electricity and magnetism, energy, forces, materials, anatomy and light.

Each issue is introduced through a demonstration lecture. Pupils then explore the relevant exhibits and handle artefacts in more depth in the discovery room. Related experiments are introduced in the laboratory, and a visit to the library ensures that the children and their teachers gain the best possible insight into the topic.

To encourage follow-up with work in the classroom, schools can borrow kits associated with a variety of national curriculum science topics. Additional help, in the form of outreach teams, is available for primary teachers who are not science specialists.

For the 30,000 pupils who will experience Techniquest's school-based activities this year, one highlight will be a session in the new planetarium, where they will be able to watch the planets and handle meteorites and moon rock.

Professor Beetlestone hopes that pupils will return to Techniquest with their families. His intention is to convert 175,000 people a year into science enthusiasts.

Puff the pneumatic Welsh dragon, at Techniquest, Cardiff

The interactive approach has also been adopted at a second centre launched last month in Cardiff Bay. Felicity Dahl, the widow of Roald, the children's author, has announced plans for a hands-on arts and literature complex based on her husband's life and works.

She says: "He has taught more children to reach out than has any other author, and his books have been translated into 22 languages."

The stories have been presented in many forms, including film, animation and music, so Mrs Dahl is planning a multimedia arts facility, accommodating a children's cinema, puppet theatre and museum in addition to literary exhibitions. An archive of historic children's books and magazines is also on the agenda, together with opportunities for children to meet characters from their favourite books.

The intention is to bring literature to life, so that children are encouraged to read and create their own stories. A trust has been established to raise the £6 million needed to finance the project. Together, Techniquest and the Dahl Project are aiming to bridge the divide between science and the arts.

IOLA SMITH

Get them while they're young

Industry and academia are combining to interest children in technology

A national foundation involving industry and the universities is to be established to promote science and technology throughout Scotland. The aim is to encourage far more people, particularly the young, to take part in fields that many academics believe continue to be neglected in favour of the arts and social sciences.

The foundation will run the proposed National Science Centre for Scotland, a £25 million complex earmarked for the south bank of the River Clyde in Glasgow.

Its backers believe it will at last provide a vehicle to thrust scientific and technological concepts into the popular arena.

Professor John Ward, chairman of the CBI Scotland, who has been given the job of setting up the foundation, says: "Historically, Scotland bred a huge number of scientists and inventors. Scots have been behind so many inventions that people now take for granted. The problem is that while Scotland has done so much in science and technology, we have not been so good at making that expertise work to create wealth. I think that with a world-class science centre run by the foundation that problem will be overcome."

The centre will be owned and run by the foundation with back-up from the universities and industry. Contributions to running costs would come from business and leisure developments run in tandem on the 43-acre site.

The universities will provide lecturers and technologists, as well as their scientific facilities, and industry will offer practical help for researchers, entrepreneurs, students and, just as importantly, schoolchildren.

"The foundation can work properly only if it is seen to help all sectors of the public wanting to increase their grasp on science and technology," Professor Ward says.

Its work will be taken to the furthest corners of Scotland through a series of "outreach" stations, which will use the latest forms of communication so that researchers can link into every facility provided at the complex, at Pacific Quay.

The science centre is part of an overall £90 million Millennium Fund bid, to transform Pacific Quay into a waterfront business-leisure complex in the heart of the city.

Professor Ward believes that in time the centre will provide an information hub for almost every secondary school, college and university in Scotland. Sites for the first outreach stations are likely to be pinpointed by this autumn.

"One role of the foundation will be to try to persuade the young of Scotland that this is their future, that it is science and technology that provides wealth and that they should make it more a part of their lives," he says. "There has for too long been this split between the arts and science, with science being considered somehow boring.

"It is not, and a major task of the foundation will be to prove to young people that it is nothing of the sort."

KERRY GILL

Russians are coming

MORE THAN 20,000 pupils and parents are expected to visit this year's Schools' Fair at Wembley Conference Centre next week.

There will be a strong European contingent among the 200 exhibitors. Representatives of 60 Russian universities will be available to discuss study programmes and exchanges, and the European Careers Clinic will have information on a range of opportunities on the Continent.

The Times is one of the sponsors of the three-day fair, which forms part of *Directions '95*. For the first time, this will include a national careers teachers' conference. The deadline for bookings for the conference is on Wednesday. Inquiries: Sarah Gladstone (0171-782 6387).

DIRECTIONS 95 THE SCHOOLS FAIR June 21-23 • Wembley

More than 15,000 pupils have pre-registered to attend the fair with school parties. Like their children, parents are admitted free without reservations. School parties must pre-register with Vivienne Herke (0171-782 6393).

Opening times
June 21-23 9.30 am to 4 pm in Hall 2.

How to get there:
British Rail to Wembley Stadium station, or Wembley Central station (ten minutes walk). London Underground via Metropolitan or Jubilee Lines to Wembley Park.

Second Degree: the choice for graduates is wider than ever

The Times guide to taught postgraduate courses begins below, and different subjects will be featured each day this week. John O' Leary explains the guide

Graduates looking for an edge in a fiercely competitive employment market will have more courses than ever to choose from this autumn. Universities and colleges have pulled out all the stops to cater for their fastest-growing clientele.

Some 6,700 taught courses will be listed over the next five days of our Second Degree series, hundreds more than we featured last year. The figure would have topped 7,000 if many programmes were not already full.

The consistent rise in demand for Masters and postgraduate diploma courses over recent years shows no sign of faltering. Overseas students and women have contributed particularly to the growth. Women now represent almost 40 per cent of higher degree students, compared with 30 per cent a decade ago.

Additional job opportunities encouraged a larger proportion of last year's graduates to go straight into employment, but still the numbers opting for further study rose by 2,600. With their undergraduate numbers still frozen, universities and colleges are banking on the same happening again this year.

All the indications are that it will. Even since the last edition of *Second Degree*, in February, 122 new courses have been added and recruitment has been steady.

Once again, business and management offer the widest choice, with 642 courses advertised this week. More than 500 programmes are still available in education and over 400 in the medical sciences.

Places will be available on most of the courses listed this week until after the publication of first degree results. Some will recruit right up until the start of term in September or October, but early applications are advisable in areas such as business and social science.

Statistics published last week for the old universities, which run the majority of Masters programmes, show that the 7,500 social scientists represented both the largest concentration of postgraduates and the biggest increase on 1992-3. Business, languages and engineering all showed healthy rises.

Careers advisers are split on the benefits of specialised Masters programmes, but graduates see the extra qualification as an attraction for employers. With almost a third of young people now going on to higher education, the numbers wanting to study their subject in more depth seem certain to continue expanding.

As in previous years, holders of higher degrees seem to have had much greater success in the jobs market than first-time graduates. The overall unemployment rate of 4.7 per cent compared favourably with the 8.5 per cent of initial graduates still out of work at the turn of the year.

Education had the best employment record, although the subject attracts a high proportion of serving teachers, who do not need to find new jobs. But most subjects recorded an unemployment rate of less than 6 per cent, and the majority saw at least two-thirds of students find work within six months of the course ending.

Student numbers rise each year

The new universities have also attracted growing numbers of students to postgraduate programmes. Many are now publishing separate prospectuses for the growing portfolio of distinctive courses.

The University of Central England, in Birmingham, for example, did not take part in the last national research assessment exercise, but now has 15 per cent of its students on taught postgraduate courses. Dr Peter Knight, the Vice-Chancellor, tells students in the latest prospectus: "Our courses and research work are designed to relate theoretical study to real life situations so that they combine an academic with a vocational approach."

Nor is the choice restricted to the British university system. Regent's College, in London, for example, houses three international institutions offering MBAs and several other Masters programmes. Although the American School of Liberal Arts is largely undergraduate, the European Business School and the Webster Graduate Study Centre, which is based in Missouri, form a thriving postgraduate centre.

Traditional British universities still offer the greatest number of openings for taught postgraduate courses, however. They are offering new programmes which are available in virtually every subject this year, and many have opened or are planning graduate schools to focus their efforts.

This week's listings are intended as a signpost for those considering postgraduate study. Prospective applicants will need to investigate further to establish whether courses meet their particular needs. Contacts are named with each course.

Courses will be listed in groups of subjects, starting today with agriculture, biology, dental, veterinary and medical sciences, and taking in computer studies and some science subjects.

Tomorrow's material will include engineering and the remaining science subjects. The popular business, social science and arts subjects will follow later in the week.

TOMORROW

Postgraduate life: a student's view. What to look out for in choosing a course

Students mull over their options at the Webster Graduate Study Centre, in London, which is based in Missouri, but whose English branch is thriving

KEY TO LISTINGS

Course title
Some courses may link a wide range of options in a given subject area. These groupings of of courses are identified by the suffix (general), eg Earth Sciences (general).

Contact names
The names of people able to give further details of courses shown. When a contact is responsible for several courses, their name will appear only once in each section.

Validation
Where an institution's courses are validated by another, the validating institution's name is given in brackets

Qualification
The range of qualifications available within each course, eg Diploma, MSc, MLib.

Duration
The negth of the course in months. FT: full-time. PT: part-time.

THE JUNE edition of *Second Degree* lists taught postgraduate courses currently available in universities and colleges. The listing covers programmes lasting at least nine months full-time, or the equivalent part-time, which are validated by degree-awarding institutions. It does not include the Post Graduate Certificate in Education or qualifications awarded by professional bodies.

Although courses from more than 200 institutions are represented here, it is not an exhaustive listing. Some institutions choose not to list their courses in this way, so it should not be assumed that those which are absent have no programmes to offer.

Quality of degrees
All UK universities in membership of the Committee of Vice-Chancellors and Principals have power to award British degrees after either courses of study or programmes of research. Some colleges of higher education have one or both of these powers. Other colleges provide courses or programmes which are validated by an institution with these powers. Courses of this kind are listed under the name of the college which runs them, the name of the validating institution which finally awards the degree appearing in brackets.

More information
Potential students should not make decisions on the basis of this listing alone.

More complete details of postgraduate courses in universities and HE colleges are given in *Higher Education in the UK — Postgraduate Taught Courses (Vol 1 Science, Technology and Medicine, and Vol 2 Arts and Social Sciences).*

These are official guides compiled by the university and college authorities.

To discuss your future plans or any questions of fact candidates should contact individual institutions directly and consult their prospectuses. They should not contact *The Times* or the compilers of this listing.

The compilers
This list has been compiled by Higher Education Business Enterprises Ltd on the basis of returns from the institutions. HEBE is an agency of the Committee of Vice-Chancellors and Principals of the UK universities and the Standing Conference of Principals of Colleges and Institutes of Higher Education.

While every effort has been made by the compilers to ensure that the information is accurate and that those institutions which wanted to take part have been included, HEBE can accept no responsibility for errors or omissions.

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Second Degree: The Times guide to postgraduate courses

Agriculture

Aberdeen U
Contact Mrs Lorna Ingram 01224 273506
Agricultural Development: MSc 12FT, Dip 9FT
Agricultural Economics: MSc 12-24FT, Diploma 9FT 21PT
Agroforestry: MSc 12FT 24PT, Diploma 9FT 21PT
Arboriculture: MSc 12-24FT, Diploma 9FT 21PT
Crop Science: MSc 12-24FT
Forest Management: MSc 12FT 24PT, Diploma 9FT 21PT
Reproductive Biology: MSc 12FT 24PT, Dip 9FT 21PT
Soil Science: MSc 12-24FT, Diploma 9FT

Birmingham U
Plant Breeding and Crop Improvement: MPhil 24FT; Dr M Kearsey 0121 414 5486 / 6375

Bristol U
Crop Protection: MSc 12FT; Dr N J Pinfield 01275 392181

Cranfield: Silsoe
Contact Mrs M Merredy 01525 863318
Agricultural Mechanisation Management: MSc 12FT
Agroforestry: MSc 12FT
Crop Market Technology: MSc 12FT
Crop Production Technology: MSc 12-24FT
Irrigation Water Management: MSc 12FT, Diploma 9FT
Land Resource Management: MSc 12FT
Management for Agricultural Development: MSc 12FT
Post-Harvest Technology of Tropical Crops: MSc 12FT, Diploma 9FT
Range Management: MSc 12FT

East Anglia U
Contact Ms S Simpson 01603 592331
Agricultural Development Economics: Diploma 9FT
Agricultural Economics: MSc 12FT
Agriculture, Environment, and Development: MSc 12FT
Rural Development (Planning and General): MA 12FT

Edinburgh U
Applied Animal Behaviour and Animal Welfare: MSc 12FT, Diploma 9FT; Dr N Waran 0131 667 1041
Crop Technology: MSc 12FT, Diploma 9FT; Dr C M Duffus 0131 667 1041
Extension for Rural Development: MSc 12FT, Diploma 9FT; Dr N Fisher 0131 667 1041
Resource Management: MSc 12FT, Diploma 9FT; Mr R G B Hilton 0131 650 5429
Seed Technology: MSc 12FT, Diploma 9FT; Dr M R Turner 0131 667 1041 ext 4064
Sustainable Rural Development in the Tropics: MSc 12FT, Diploma 9FT; Dr R W Matthewman 0131 6500 6228
The Biodiversity and Taxonomy of Plants: MSc 12FT, Diploma 9FT; Dr P M Smith 0131 650 5425
Tropical Animal and Crop Production: MSc 12FT, Diploma 9FT; Dr A J Smith 0131 650 6224

Essex U
Crop Production in the Changing Environment: MSc 12FT, Certificate 8FT; Postgraduate Secretary 01206873320

Harper Adams College (Open U)
Crop Protection: Diploma 10FT, MSc 13FT

Hull U
Fisheries: MSc 12FT 48FT, PGDip; K Crean / C Pitts 01482 466421

London: Wye College
Advanced Information Systems: Cert; Mrs Mary Arnold 01233 812401
Agricultural Development: MSc 24DL (min), Diploma(S) 12DL (min), Diploma(S) 9FT; Ms Sarah Barker 01233 812401
Agricultural Economics: MSc 12 or 21FT; Ms Sarah Barker 01233 812401
Sustainable Agriculture: MSc 12FT; Ms Sarah Barker 01233 812401
Tropical Agriculture: MSc 12FT; Ms Sarah Barker 01233 812401
Tropical and Subtropical Horticulture and Crop Science: MSc 12FT; Ms Sarah Barker 01233 812401

Manchester U
Agricultural Economics: MA (Econ) 12FT 24PT, Diploma 9FT; Dr Trevor Young 0161 275 4806

Newcastle U
Agricultural Biotechnology: MSc 12FT, Diploma 9FT; Prof H Gilbert 0191 222 6962
Agricultural Engineering: MSc 12FT 24FT, Diploma 9FT; Dr D Hettiaratchi 0191 222 6000
Agricultural Marketing: Diploma 9FT; Dr L Oughton 0191 222 6000
Animal Nutrition: MSc 12FT, Diploma 9FT; Dr R S Pearce 0191 222 6000
Environmental and Resource Assessment: Diploma 9FT, MSc 12FT; Dr R W Payton 0191 222 6000
Environmental and Resource Assessment: MSc 12FT, Diploma 9FT; Dr R W Payton 0191 222 6000
European Rural Development: MSc FT; Prof P Lowe 0191 222 6000 ext 6887
International Agricultural Marketing: MSc 12FT, Diploma 9FT; Mrs S Kuznesof 0191 222 8889
Irrigation: MSc 12FT, Diploma 9FT; Dr G Wyseure 0191 222 6942
Pest Management: MSc 12FT 24FT, Diploma 9FT; Dr B Selman 0191 222 6000
Pest Management: MSc 12FT, Diploma 9FT; Dr B Selman 0191 222 6000
Rural Resources and Counnryside Management: MSc FT; Prof M Whitby 0191 222 6000 ext 6903
Tropical Agricultural and Environmental Science: MSc 12FT, Diploma 9FT; Dr R Wilkins 0191 222 6945
Tropical Coastal Management: MSc 12FT, Diploma 9FT; Dr B Brown 0191 222 6000
Tropical Soils and Sustainable Land Management: MSc 12FT, Diploma 9FT; Dr R W Payton 0191 222 6000

Nottingham U
Agronomy: MSc 18FT; Dr J Atherton 0115 9516046

Plymouth U
Advanced Agricultural Business Management: MSc 12FT, Diploma 9FT; Faculty Aministrator 01626 325606

Reading U
Contact Dorothy Buss 01734 875123/ 316585
Agricultural Economics: MSc 12FT, Diploma 9FT
Agricultural Education and Training: MSc 12FT, Diploma 9FT
Agricultural Extension: MSc 12FT, Diploma 9FT
Agricultural Management: MSc 12FT
Agricultural Research, Technology, and Extension: MAgrSc 24FT
Applied and Agricultural Meteorology: MSc 12FT 24FT
Botanical Diversity: MPhil 24FT
Crop Physiology: MSc 12FT
Evaluation of Plant Ecosystems: MSc 12FT, Dip 11FT
Food and Rural Management: MBA 36-60FT
Forestry Extension: MSc 12FT
Horticulture: MSc 12FT 36FT
Management of Soil Fertility: MSc 12FT 24FT
Plant Breeding and Crop Improvement: MPhil 24FT
Rural Extension and Women: Diploma 12FT
Rural Social Development: MA 12FT, Dip 12FT
Soil Science: MAgrSc 22FT
Technology of Crop Protection: MSc 12FT, Diploma 11FT
Tropical Agricultural Development: MAgrSc 24FT, MSc 12FT, Diploma 9FT
Tropical Agricultural Development (Animal Production): MAgrSc 24FT, MSc 12FT, Diploma 9FT

Royal Agricultural College
Rural Estate Management (Nottingham U): MSc 12FT; Admissions Secretary 01285 652531

Scottish Agricultural College
Crop Protection (Aberdeen U): MSc 12FT, Diploma 9FT; Dr J Thompson 01224 480291
Crop Technology (Edinburgh U): MSc 12FT, Diploma 9FT; Dr B Spoor 0131 667 1041
Extension for Rural Development (Edinburgh U): MSc 12FT, Diploma 9FT; Dr B Spoor 0131 667 1041
Farm Business Organisation Management (Aberdeen U): Diploma 9FT; Dr A Stott 01224 480291
Farm and Rural Business Management (Aberdeen U): MSc 12FT; Dr A Stott 01224 480291
Poultry Science (Glasgow U): MSc 15FT, Diploma 9FT; Dr W K Smith 01292 520331
Sustainable Agriculture (Aberdeen U): Diploma 9FT, MSc 12FT; Dr J Hooker 01224 715455
Technology in Rural Development (Edinburgh U): MSc 12FT, Diploma 9FT; Dr B Spoor 0131 667 1041

Southampton U
Contact Mrs S Oglesby 01703 593728
Planning and Management for Development: MSc 12FT
Soil Conservation and Land Reclamation Engineering: MSc 12FT

Wales: Aberystwyth
Contact Mrs Gina Preston 01970 623111/622020
Agricultural Economics: MSc 12FT, Diploma 9FT
Agricultural Science: Diploma(C) 9FT
Agricultural and Amenity Grassland: MSc 12FT
Agricultural and Food Marketing: MSc 12FT
Improvement and Renovation of Grassland: MSc 12-24FT

Wales: Bangor
Animal Parasitology: Diploma 9FT, MSc 12FT; Mrs J Jones 01248 382295
Environmental Forestry: MSc 12FT, Diploma 9FT; Mrs A Louth 01248 382439
Forest Industries Technology: MSc 12FT, Diploma 9FT; Mrs A Louth 01248 382439
Forestry: Diploma 9FT; Mrs A Louth 01248 382439

Wolverhampton U
Development Training and Education: MSc 12FT; Centre for Rural Development & Training 01902 323219

Biology - Biochemistry

Aberdeen U
Aquaculture Business Management: Diploma 9FT, MSc 12FT; Mrs Lorna Ingram 01224 273506
Ecology: MSc 12FT, Diploma 9FT; Mrs Lorna Ingram 01224 273506
Environmental Microbiology: MSc 12FT; Dr J I Prosser 01224 273172
Human and Animal Physiology: MSc 12FT; Mrs Lorna Ingram 01224 273506
Immunobiology: MSc 12FT; Mrs Lorna Ingram 01224 273506
Marine and Fisheries Science: MSc 12FT, Diploma 9FT; Mrs Lorna Ingram 01224 273506
Modern Botanical Methods: MSc 12FT, Diploma 9FT; Mrs Lorna Ingram 01224 273506

Abertay U
Biotechnology: MSc 12FT, Diploma 9FT; Dr G Walker 01382 308658

Birmingham U
Botanical Diversity: Classification, Conservation, and Management: MPhil 24FT; Dr N Maxted 0121 414 5571 / 6375

Central Lancashire U
Cell and Enzyme Technology: MSc 12FT; Student Recruitment 01772 201 201

Coventry U
Biotechnology: MSc 12FT; John Heptinstall 01203 838454

De Montfort U
International Biotechnology: MSc 12FT; Dr C K Leach 0116 2577713

Dundee U
Biochemistry (Biotechnology): MSc 12FT; Dr D A Stansfield 01382 344252

Durham U
Biological Anthropology: MSc 12FT 24FT; Dr Catherine Panter-Brick / Mrs S May 0191 374 2854/ 2840
Ecology: MSc 12-24FT 24FT, Diploma 9FT; Dr J Butterfield 0191 374 3358

East Anglia U
Contact Val Cossey 01603 592254
Biochemistry: Diploma 12FT, MSc 24FT
Biophysics and Physiology: MSc 24FT, Diploma 12FT
Biotechnology: MSc 12FT
Ecology: MSc 24FT, Diploma 12FT
Molecular Biology: MSc 24FT, Diploma 12FT
Molecular Plant Pathology: MSc 12FT, MSc 24FT, Diploma 12FT
Plant Biology: MSc 24FT, Diploma 12FT
Zoology: MSc 24FT, Diploma 12FT

Greenwich U
Natural Resource Management (prov): MSc 12FT 24FT; Course Enquiries 0181 316 8590

Heriot-Watt U
Biotechnology: MSc 12FT, Diploma 9FT; Richard McGoukin 0131 449 5111

Hertfordshire University
Contact Admissions Office, Natural Sciences 01707 284503
Biochemistry: MSc 12FT 24FT, PG Dip 9FT 21PT
Biotechnology: MSc 12FT 24FT, PG Dip 9FT 21PT
Microbiology: MSc 12FT 24FT, PG Dip 9FT 21PT
Molecular Biology: MSc 12FT 24FT, PG Dip 9FT 21PT
Physiology: MSc 12FT 24FT, PG Dip 9FT 21PT

Humberside U
Contact Prof T Taylor 01482 440550
Fisheries: MSc 12FT, Dip 9FT
Fisheries (Master Fisherman): Dip 9FT
Fisheries Management: Diploma 9FT
Fishing Gear Technology: Dip 9FT
Management of Fish Resources: MSc 12-24FT

Keele U
Molecular Parasitology and Vector Biology: MSc 12FT; Prof P J Ham 01782 621111 ext 3027

Kent U
Biotechnology: MSc 12FT 48PT (max); Mary Hughes 01227 764000

King Alfred's C.H.E. (Southampton U)
Biological Sciences (prov): MSc 12FT 24FT, Dip 12FT 24FT; Admissions Officer 01962 841515

Kingston U
Medical Biochemistry: Certificate 4FT, Diploma 12FT, MSc 12FT; Dr D Mackintosh 0181 546 7469

Leeds U
Biochemical Education: MSc 12FT; Dr A G Booth 0113 2333142
Modern Approaches to Plant Health: MSc 12FT; Dr F E Sanders 0113 2332899

Leicester U
Biomolecular Technology: MSc 12FT January; Course Director 0116
Molecular Ecology: MSc 12FT, Diploma 12FT; Prof R H Smith 0116 2522271

Liverpool U
Behavioural Ecology: MSc 24FT; Dr John Manning 0151 794 5026

Liverpool John Moores U
Industrial Biotechnology: MSc 12FT; Venecia Saunders 0151 231 2204

London: Birkbeck College
Contact Assistant Registrar 0171 631 6390/6307
Comparative Physiology: MSc 24FT
Molecular Modelling and Bioinformatics: MSc 12FT 24FT

London: Imperial College
Biochemical Research: MSc 12FT, Diploma 12FT; Admissions Office 0171 589 5111

London: King's College
Contact Postgraduate Admissions Office 0171 872 3393
Forensic Science: MSc 12FT
General Biochemistry: MSc 12FT 24FT
Life Sciences: Certificate(S) 12FT

London: University College
Contact Admissions Enquiries 0171 380 7365
Applied Molecular Biology and Biotechnology: MSc 12FT
Biochemical Engineering: MSc 12FT, Diploma 12FT
Biochemical Engineering and Bioprocessing: MRes 12FT
Bioprocessing: MSc 12FT 24FT
Chemical Biochemistry: MSc 18FT
Mineralised Tissue Biology: MSc 12FT 24FT

London: Wye College
Contact Ms Sarah Barker 01233 812401
Applied Plant Sciences: MSc 12FT
Crop Science: Diploma 9FT
Plant Biotechnology: MSc 12FT

Manchester Metropolitan U
Contact Dr M Jones 0161 247 1223
Behavioural Ecology: MSc 12FT 36 FT, Diploma 12FT 24FT
Biomedical Sciences: MSc 12FT 36FT, Diploma 12FT 24FT
Conservation Biology: MSc 12FT 36FT, Diploma 12FT 24FT
Stress Management for Practitioners: MSc 36FT, Diploma 24FT

Manchester U
Bioinformatics (Computational Molecular Biology): MSc 12FT, Diploma 9FT; Dr A Brass 0161 275 5608

Newcastle U
Biochemistry and Genetics: MSc 12FT, Diploma 9FT; Medical School Postgraduate Office 0191 222 6000

North London U
Applied Neuroscience: MSc 24FT, Diploma 24FT; Dr Mike Roberts 0171 607 2789 ext 2278

Nottingham U
Plant Genetic Manipulation: MSc 12FT, PG Dip 12FT; Miss Kathryn Lyon 0115 951 3229

Plymouth U
Applied Fish Biology: MSc 13FT, Diploma 7FT; Faculty of Science 01752 233093

Reading U
Contact Dorothy Buss 01734 875123/ 316585
Applied Zoology: MPhil 24FT
Pure and Applied Plant and Fungal Taxonomy: MSc 12FT 24FT
Wildlife Management and Control: MSc 12FT, Diploma 12FT

Roehampton Institute (Surrey U)
Behavioural Biology and Healthcare: MSc 12FT 24FT, PG Dip 12FT; Faculty Registry Officer 0181 392 3084

Salford U
Biochemical and Molecular Parasitology: MSc 12FT, Dip Adv Study 6FT

Stirling U
Aquaculture: Diploma 10FT, MSc 10FT; School of Natural Sciences 01786 467873

Surrey U
Toxicology: MSc 12FT 24FT; Dr R S Jones 01483 259705

Sussex U
Contact Dr A J MacGillivray 01273 606755
Biochemistry (Biochemical Endocrinology): MSc 12FT
Biochemistry (General): MSc 12 or 24FT
Biochemistry (Genetic Manipulation and Molecular Biology): MSc 12FT
Biochemistry (Plant Biochemistry and Productivity): MSc 12FT

Teesside U
Biotechnology (European): MSc 24FT, PG Dip 12FT; Dr J M Bainbridge 01642 342460

Ulster U
Contact Mrs E Wilson 01265 44141
Biotechnology (prov): MSc 12FT 24FT, Diploma 9FT (8FT
Contemporary Biological Sciences: MSc 12FT 24FT, Diploma 12FT 24FT
Research: MRes 12FT

UMIST
Biotechnology: MSc 12FT; Dr R Walmsely 0161 200 4174

UWE, Bristol
Contact Cynthia Garland 0117 9656261
Biotechnology: MSc 16FT
Environmental Biotechnology: MSc 16FT

Wales: Aberystwyth
Contact Mrs Gina Preston 01970 623111/622020
Agricultural Biochemistry: MSc 24FT, Diploma(C) 9FT
Biochemistry: MSc 24FT, Diploma(C) 9FT
Biological Electron Microscopy: MSc 12FT, Diploma 9FT
Cell and Molecular Genetics of Crop Plants: MSc 12FT
Integrated Studies on Plant Development, Adaptation, and Productivity: MRes 12FT
Plant Biochemistry: MSc 12-24FT
Plant Physiology: Diploma(C) 9FT
Soil Science and Plant Performance: MSc 12FT

Wales: Bangor
Contact Dr D A Jones 01248 382863
Cellular and Molecular Plant Sciences: Diploma 9FT, MSc 12FT
Shellfish Biology, Fisheries, and Culture: MSc 12FT 24FT

Wales: Cardiff
Applied Hydrobiology: MSc 12FT; Dr Bowker 01222 874147
Applied Insect Taxonomy: Diploma(C) 12FT; Prof M F Claridge 01222 874147

Wales: Swansea
Contact A J Morgan 01792 295132
Biochemical Engineering: MSc 12FT
Environmental Biology: MSc 12FT 24FT, Diploma(C) 9FT
Molecular Biology: MSc 12FT, Diploma(C) 9FT

Westminster U
Contact Brian Stone 0171 911 5000
Applied Microbiology: MSc 12FT 24FT
Health Sciences: Clinical Care: MSc 24FT

Wolverhampton U
Applied Microbiology and Biotechnology: MSc 12FT 24FT, Diploma 12FT 24FT; School of Applied Sciences 01902 321051

York U
Biological Computation: MSc 12FT 24FT, Diploma 9FT; John Heath 01904 432143

Veterinary Studies - Animal Sciences

Aberdeen U
Contact Mrs Lorna Ingram 01224 273506
Animal Nutrition: MSc 12FT, PG Dip 9FT 21FT
Animal Production: MSc12FT, PG Dip 9FT 21FT
Pig Production: MSc 12FT, PG Dip 9FT/21FT

Edinburgh U
Animal Breeding: MSc 12FT, Diploma 9FT; Dr J T Mercer 0131 650 5490.
Sustainable Rural Development in the Tropics: MSc 12FT, Diploma 9FT; Dr A J Smith 0131 650 6224.
Tropical Animal Production and Health: MSc 12FT, Diploma 9FT; Dr D Fielding 0131 650 6259
Tropical Veterinary Medicine: MSc 12FT, Diploma 9FT; Mr M Echeiston 0131 650 6271
Tropical Veterinary Science: MSc 12FT, Diploma 9FT; Dr K Sumpton 0131 650 8814

Glasgow U
Poultry Science: MSc 9FT 21PT, Diploma 9FT 21PT; Mr I G Hair 01292 520331

Liverpool U
Bovine Reproduction: Diploma 24PT; Prof Hilary Dobson 0151 794 6080

Liverpool School of Tropical Medicine (Liverpool U)
Veterinary Parasitology: MSc 12FT, MVSc 12FT August; Mrs Val Robbins 0151 708 9393

London: Royal Veterinary College
Contact Ann Tribble 0171 468 5000
Animal Health: MSc 12FT 24PT Modular
Veterinary Microbiology: MSc 12FT
Veterinary Pathology: MSc 12FT
Wild Animal Health: MSc 12FT 24PT

Newcastle U
Animal Nutrition: MSc 12FT 24FT, Diploma 9FT; Dr R S Pearce 0191 222 6000

Reading U
Contact Dorothy Buss 01734 875123/ 316585
Animal Production: Diploma 9FT
Animal and Forage Science: MSc 12FT 24FT
Development of Animal Health and Production Systems: MSc 12FT 36FT Any date, Diploma 9FT 36FT.
Laboratory Techniques and Management in Livestock Development: MSc 12FT 36FT Any date, Diploma 9FT 36FT Any date

Scottish Agricultural College
Animal Science for Development (Edinburgh U): MSc 12FT, Diploma 9FT; Dr B Spoor 0131 667 1041

Stirling U
Contact School of Natural Sciences 01786 467873
Aquatic Pathobiology: MSc 10FT, Diploma 10FT
Aquatic Veterinary Studies: MSc 10FT, Diploma 10FT

Wales: Aberystwyth
Equine Studies: MSc 12FT, Diploma 9FT; Mrs Gina Preston 01970 623111/622020

Wales: Bangor
World Animal Production: MSc 12FT, Diploma 9FT; D C J C Phillips 01248 382283

Dental Sciences

Birmingham U
Clinical Community Dentistry: MDentSci 24FT; Dr G Bradnock 0121 236 8611 ext 5781
Community Dental Health: MCDH 12FT 24FT; Dr G Bradnock 0121 236 8611 ext 5781
Oral Pathology: MDentSc 12FT; Prof R M Browne 0121 236 8611 ext 5865
Oral Surgery and Oral Medicine: MDentSci 12FT; Prof H D Edmondson 0121 236 8611 ext 5760

Bristol U
Dental Sciences by Advanced Study and Research: MSc 12-24FT 24-36FT; Mrs M Coulter 0117 9289000

Dundee U
Conservative Dentistry: MDSc 12FT 24FT; Prof A R Grieve 01382 660111 x 5984
Orthodontics: Dip Odont 12FT, MDSc 24FT; Prof D R Stirrups 01382 660111 ext 5961

Edinburgh U
Community Dental Health: MSc 12FT, Diploma 9FT; Mrs R M Bisset 0131 650 3227

Glasgow U
Contact Ms A K Spurway 0141 339 8855
Child Dental Health: MSc (MedSci) 24FT
Conservative Dentistry: MSc (MedSci) 24FT
Oral Implantology: MSc(MedSci) 24FT
Oral Pathology: MSc (MedSci) 24FT
Oral Surgery: MSc (MedSci) 24FT
Orthodontics: MSc (MedSci) 24FT
Periodontology: MSc (MedSci) 24FT
Prosthodontics: MSc (MedSci) 24FT

Leeds U
Contact Prof Curzon 0113 2336138
Community Dental Health: MDentSci 24FT
Community Dental Health (International Studies): Diploma 12FT
Dental Radiology: MDentSci 12FT
Oral Biology: MDentSci 12FT
Oral Pathology: MDentSci 12FT
Oral Surgery: MDentSci 24FT
Orthodontics: MDentSci 36FT
Paediatric Dentistry: MDentSci 24FT
Restorative Dentistry: MDentSci FT 24FT

Liverpool U
Clinical Dentistry: MDentSci 12FT 24FT; Dr J Lilley 0151 706 5118

London: BPMF Eastman Dental Institute
Contact Connie Blake 0171 915 1038
Basic Medical Science: FDS 12FT
Children's Dentistry: MSc 12FT
Conservative Dentistry: MSc 12FT 24FT
Dental Health Policy: MSc 12FT 24FT
Dental Health Policy: Diploma 9FT
Dental Materials: MSc 12FT
Endodontics: MSc 12FT 24FT
Experimental Oral Pathology: MSc 12FT
Oral Medicine: MSc 12FT 24FT
Oral and Maxillofacial Surgery: MSc 24FT
Orthodontics: MOrth 36FT, MSc 24FT
Periodontology: MSc 12FT 24FT
Prosthetic Dentistry: MSc 12FT 24FT

London: King's College
Contact Postgraduate Admissions Office 0171 872 3393
Children's Dentistry (Paedodontics): Diploma 24FT, MSc 24FT
Community Dental Health: Dip CDH 12FT 24FT
Community Dental Health: Diploma 12FT 12FT
Community Dental Practice: MSc 12FT 24FT
Community Dental Practice (External): MSc 48FT
Dental Public Health: MSc 12FT 24FT, DDPH
Dental Radiology: MSc 12FT 24FT 48DL
Oral Surgery: MSc 24FT
Oral and Maxillofacial Surgery: MSc 24FT
Orthodontics: Diploma(S) 36FT, MSc 36FT
Orthodontics: MSc 24FT
Paediatric Dentistry: Diploma 24FT

London: London Hospital Medical College
Contact Mr H A J Butler 0171 377 7000
Children's Dentistry (Paedodontics): MSc 12FT 24FT
Dental Materials Science: MSc 12FT 24FT
Dental Public Health: MSc 12FT 24FT
Dental Technology: MSc 12FT 24FT
Experimental Oral Pathology: MSc 12FT

Continued on next page

Second Degree: The Times guide to postgraduate courses

Continued from previous page

Gerodontics: MSc 12FT 24PT
Oral Surgery: MSc 12FT 24PT
Orthodontics: MSc 36FT
Periodontology: MSc 12FT 24PT
London: United Medical and Dental Schools of Guy's and St. Thomas's Hospitals
Conservative Dentistry: MSc 12FT 24PT: Prof B G N Smith 0171 955 4044
Endodontics: MSc 12FT 24PT: Dr T Pitt Ford 0171 955 4377
Experimental Oral Medicine: MSc 12FT 24PT: Prof S Challacombe 0171 955 4255
Oral Surgery: MSc 12FT 24PT: Mr P Robinson 0171 955 4342
Orthodontics: MSc 24FT 36PT: Prof McMeikle 0171 955 4040
Paedodontics: MSc 9FT 24PT: Ms M Glanvill 0171 955 4040
Periodontology: MSc 12FT 24PT: Dr T Watts 0171 955 4566
Prosthetic Dentistry: MSc 9FT 24PT: Dr J D Walter 0171 955 4026
London: University College
Contact Admissions Enquiries 0171 380 7365
Community Dental Health: Diploma(S) 12FT 24PT
Dental Public Health: MSc 12FT 24PT
Oral Health Education: Diploma(S) 12FT 24PT
Manchester U
Contact Prof Philip Sloan 0161 275 6786
Dental Public Health: MSc 12FT 24PT
Dentistry: MSc 12FT 24PT
Orthodontics: MSc 12FT 24PT
Newcastle U
Community Dental Health: MSc 24PT: Dr J Nunn 0191 222 6000
Orthodontics: MSc 24PT: Dr P H Gordon 0191 222 6000
Restorative Dentistry: MSc 12FT: Dr R W Wassell 0191 222 6000
Sheffield U
Dental Hypnosis: Cert. 9PT: Dr M Heap 0114 276 8555 ext 4970
Oral Pathology: MMedSci 12FT 24PT: Prof J C Smith 0114 271 7954/7951
Oral Surgery: MMedSci 24FT: Mr I M Brook 0114 271 7849
Wales: College of Medicine
Contact Mrs L Thompson 01222 744227
Dental Science: MScD 12FT (min) 24PT (min)
Periodontology: Diploma(C) 9FT

Food Science/Genetics/Immunology/Microbiology/Nutrition

Aberdeen U
Human Nutrition and Metabolism: MSc 12FT, Diploma 9FT: Dr Geraldine Mcneill 01224 681818 ext 53020
Medical Molecular Genetics: MSc 12FT, Diploma 9FT: Mrs Lorna Ingram 01224 273506
Soil Microbial Ecology: MSc 12FT 24PT; Mrs Lorna Ingram 01224 273506
Sport Nutrition: MSc 12FT: Dr R J Maughan 01224 01224 681818 ext 52482
Birmingham U
Applied Genetics: MSc 12FT; Dr M Kearsey 0121 414 5886 / 6375
Conservation and Utilisation of Plant Genetic Resources: MSc 12FT; Dr N Maxted 0121 414 5571 /6375
Immunology: MSc (Med) 12FT; Mr S Gower 0121 414 7170
Bristol U
Meat Science: MSc 12FT 36PT: Dr P R Shear 0117 9289000
Cardiff I.H.E. (U of Wales)
Food Science and Technology: MSc 12FT 48PT, Diploma 12FT 48PT: Mr Sue Ryan 01222 506042
East Anglia U
Contact Val Cossey 01603 592254
Genetics: MSc 24FT, Diploma 12FT
Microbiology: Diploma 12FT, MSc 24FT
East London U
Biochemical Immunology: MSc 12FT 24PT; Stratford Campus Registrar 0181 590 7722
Essex U
Sports Science (Fitness and Health): MSc 12FT 24PT: Alan Rustage 01206 873248
Glasgow U
Medical Genetics: MSc (MedSci) 12FT: Ms A K Spurway 0141 339 8855
Glasgow Caledonian U
Dietetics: Diploma 24FT: Maureen Nugent 0131 337 4853
Greenwich U
Applied Ecology/Crop Protection: MSc 12FT 24PT; Course Enquiries 0181 316 8590
Heriot-Watt U
Brewing and Distilling: MSc 12FT 24PT, Diploma 9FT; Richard McGoukin 0131 449 5111
Huddersfield U
Nutrition and Food Management: MSc 12FT: Dr C Hunt 01484 422288 ext 2377
Humberside U
Contact Prof T Taylor 01482 440550
Food Safety and Quality Management: MSc 12-24FT, PG Dip 12FT
Post-Harvest Food Technology: MSc 12-24FT 24PT, Diploma 12FT 24PT
Leeds U
Food Science: MSc 12FT: Dr M Holden 0113 2332981
Medical Mycology: MSc 12FT: Dr R Barton 0113 2335611
Leeds Metropolitan U
Nutrition and Dietetics: Diploma 24FT 36PT, MSc 36FT 60PT: Course Enquiries Office 0113 2832600
London: Birkbeck College
Microbiology: MSc 24PT: Assistant Registrar 0171 631 6390/6307
London: King's College
Contact Postgraduate Admissions Office 0171 872 3393
Dietetics: Diploma 15FT
Immunology: MSc 12FT 24PT
Nutrition: MSc 12FT, Diploma 7FT
London: London Hospital Medical College
Contact Mr H A J Butter 0171 377 7000
Clinical Microbiology: MSc 12FT 24PT, Diploma(S) 24PT
Nutrition and Physical Activity: MSc 12FT
London: London School of Hygiene & Tropical Medicine
Contact Mrs Julie Thompsom 0171 927 2239
Human Nutrition: MSc 12FT
Medical Microbiology: MSc 12FT
Virology: MSc 12FT
London: Royal Postgraduate Medical School
Immunology: MSc 12FT February; Ms S Baker 0181 740 3118
London: University College
General and Medical Microbiology: MSc 12FT, Diploma(S) 12FT: Admissions Enquiries 0171 380 7365
Manchester Metropolitan U
Food Manufacture: PG Dip 12FT 36PT: Dr D Shelton 0161 247 2677
Manchester U
Contact Dr S Panniker 0161 275 2000
Bacteriology: Diploma 12FT
Bacteriology and Virology/Molecular Microbiology: MSc 12-15FT
Genetic Counselling: MSc 24PT
Medical Microbiology: MSc 15FT 24PT
Medical Virology: MSc 12FT
Newcastle U
Contact Medical School Postgraduate Office 0191 222 6000
Biochemistry and Genetics: MSc 12FT
Industrial Biotechnology: MSc 12FT
Medical Genetics: MSc 12FT
Oxford Brookes U
Contact Dr A J Rosenthal 01865 483258
Food Science and Nutrition (European): MSc 12FT
International Nutrition and Food Processing: MSc 12FT 24PT, Diploma 12FT 24PT
Queen Margaret C
Contact Jackie Landman 0131 317 3000
Community Nutrition: MSc 12FT 36PT, PGDip 8FT 24PT
Dietetics: MSc 12FT 36PT, PG Dip 8FT 24PT
Reading U
Contact Dorothy Buss 01734 875123/ 316585
Food Science: MSc 12 or 24FT
Food Technology: MSc 12FT
Food and Agricultural Biotechnology: MSc 12FT 36PT
Robert Gordon U
Food Science: Diploma 12FT, MSc 12FT: Admissions Office 01224 262105
Sheffield Hallam U
European Food Marketing Management: MBA 12FT 60PT: Neil Thomas 0114 253 3325
Food Management: MSc 15FT 36PT, Diploma 15FT 36PT, Certificate 15FT 36PT; Ann Collins 0114 253 2882
Leisure and Food Studies: MSc 15FT 36PT, Diploma 15FT 36PT, Certificate 15FT 36PT: Ann Collins 0114 253 2882
Sheffield U
Human Nutrition: MMedSci 12FT 24PT, Diploma 5-6FT: Mr K V Tayles 0114 2768555 ext 4026
South Bank U
Food Safety and Control: MSc 12FT 24-36PT, Diploma 12FT 24-36PT: Tony Burns 0171 815 7977
Southampton U
Community Nutrition: Advanced Cert 3FT June, MSc 15FT, PG Dip 12FT; Dr B M Margetts 01703 796530
Strathclyde U
Applied Microbiology: Diploma 12FT; Prof JE Smith 0141 552 4400 ext 2861
Food Biotechnology: MSc 12FT; Prof J E Smith 0141 552 4400 ext 2861
Food Composition and Processing: Diploma 9FT; Prof J E Smith 0141 552 4400 ext 2861
Food Science and Microbiology: MSc 12-24FT; Prof J E Smith 0141 552 4400 ext 2861
Immunopharmacology: MSc 12FT, Diploma 9FT; Dr W Harnett 0141 552 4400 ext 3725
Surrey U
Medical Microbiology: MSc 24PT; Dr J W Dale 01483 300800 ext 2653
Ulster U
Human Nutrition: MSc 12FT 24PT, Diploma 9FT 18PT; Mrs E Wilson 01265 44141
Wales: College Of Medicine
Practical Medical Microbiology: MSc 12FT; Prof B Duerden 01222 742168
Wales: Swansea
Genetics and its Applications: MSc 12FT, Diploma(C) 9FT; A J Morgan 01792 295132

Medical Sciences

Aberdeen U
Cellular and Molecular Pathology: MSc 12FT; Mrs Lorna Ingram 01224 273506
Certificate in Underwater Medicine: Cert 24PT; Mrs Lorna Ingram 01224 273506
Health Services and Public Health Research: MSc 12FT 24PT, Diploma 9FT 21PT; Dr S Watson 01224 681818 ext 52494
Medical Imaging: MSc 12FT 24PT, Diploma 9FT 21PT; Mrs Lorna Ingram 01224 273506
Medical Physics: MSc 12FT 24PT, Diploma 9FT 21PT; Mrs Lorna Ingram 01224 273506
Midwifery: MSc 24PT; Dr S Watson 01224 681818 ext 52494
Nursing: MSc 24PT; Dr S Watson 01224 681818 ext 52494
Occupational Health: MSc 12FT 24PT; Mrs Lorna Ingram 01224 273506
Occupational Hygiene: MSc 12FT 24PT; Mrs Lorna Ingram 01224 273506
Orthopaedics: MChOrth: Dept of Orthopaedics 01224 681818 ext 53007
Radiology: MRad 24PT; Mrs Lorna Ingram 01224 273506
Anglia P.U.
Contact Elaine Hawes 01245 493131
Biomedical Science: MSc 24PT
Medical Imaging: PG Cert 12PT, Diploma 24PT, MSc 36PT
Bath C.H.E.
Health Promotion: PG Cert 9PT, PG Dip 9FT 21PT, MSc 33PT; Clare Brandram-Jones 01225 425264 ext 260
Birmingham U
Clinical Oncology: MMedSci 24PT; Mr S Gower 0121 414 7170
Foetal Medicine: MMedSci 12FT; Mr S Gower 0121 414 7170
General Practice: Dip 12PT 24PT, MMedSc 12PT 24PT: Mr S Gower 0121 414 7170
Health Care Ethics: MMedSc 12FT 24PT, Dip 9FT 18PT: Mr S Gower 0121 414 7170
Health Sciences: PG Dip 12-24PT, MHS 12-24PT: Mr S Gower 0121 414 7170
Infection: the Pathogen and the Host: MMEDSc 12FT; Mr S Gower 0121 414 7170
Mental Disability Studies: Dip 24PT 36PT, MMedSc 24PT 36PT: Mr S Gower 0121 414 7170
Occupational Health: MMedSc 12FT: Dr A Spurgeon 0121 414 6028
Psychiatry: Dip 24PT 36PT, MMedSc 24PT 36PT; Mr S Gower 0121 414 7170
Public Health: Dip 12PT 24PT, MPH 12PT 24PT; Mr S Gower 0121 414 7170
Surgery of Trauma: MMedSc 12FT; Mr S Gower 0121 414 7170
Bournemouth U
Advanced Clinical Practice (Rheumatology): MSc 12FT+12PT, PG Dip 12PT: Admissions Officer 01202 524111
Bradford U
Biomedical Sciences: MSc 12FT, Diploma 9FT; Dr R Dixon 01274 383562
Brighton U
Clinical Life Sciences: MSc 24PT, Diploma: Enquiry Team 01273 600900
Clinical Life Sciences: MSc 24PT, PGDip: Enquiry Team 01273 600900
Nursing Studies: MA 12FT 24-70PT, Diploma 12FT 24-70PT, MSc 12FT 24-70PT; Enquiry Team 01273 600900
Physiotherapy: MSc 24-70PT, PG Dip 24-70PT; Enquiry Team 01273 600900
Podiatry: MSc 12FT 24-70PT, PG Dip 12FT 24-60PT; Enquiry Team 01323 645555
Brunel U
Medical Biochemistry: MSc 12FT 24PT; Dr McDonald Gibson 01895 274000 ext 2084
Medical Genetics with Immunology: MSc 12FT 24PT; Prof R Newbold 01895 274000 ext 2090
Buckinghamshire (Brunel U)
Nursing: MSc 24PT; Marketing 01494 552141
Canterbury Christ Church College (Kent U)
Contact L Symonds 01227 782492
Health Education and Health Promotion: MSc 24PT, PG Dip 24PT
Interprofessional Health and Community Studies: MSc 24-72PT
Cardiff I.H.E. (U of Wales)
Contact Mr Sue Ryan 01222 506042
Biomedical Sciences: MSc 12FT 24PT
Interprofessional Studies (Health): MSc 24PT
Interprofessional Studies (Learning Disabilities): MSc 24PT
Public Health: MPH 24PT
Central England U in Birmingham
Contact Admissions Officer 0121 331 5500/ 5502
Advanced Nursing Practice: MSc 24PT, Diploma 18PT
Collaborative Community Care: MSc 24PT, Diploma 18PT
Diagnostic Imaging: Certificate 12PT
Health Promotion: MSc 24PT, Diploma 18PT
Health Studies: PG Cert 12PT
Paediatric Studies: Certificate 12PT
Teaching in Clinical Settings: Certificate 12PT
Central Lancashire U
Contact Student Recruitment 01772 201 201
Health Promotion: MA 24PT
Health Services Management: MA 24PT
Health Studies: MA 24PT
City U
Disability Management in Work and Rehabilitation: MSc 12FT 24PT, Diploma 12FT 24PT; Course Administrator 0171 477 8378
Exercise and Health Behaviour: MSc 12FT 24PT, Diploma 12FT 24PT; Ruth Newton 0171 477 8504
Medical Informatics: MSc 12FT 24PT, Diploma 12FT 24PT; Dr T R Hennessy 0171 477 8369
Nursing Studies: MSc 12FT 24PT, Diploma 12FT 24PT; Postgraduate Courses 0171 601 8627
Coventry U
Manipulative Therapy: MSc 12FT 24PT, Diploma 9FT 14PT; Ms Lynn Bryden 01203 631313
Nursing: MSc 12FT 24PT, PG Dip 9FT 14PT; Mr S Wildman 01203 838338
Derby U
Community Pharmacy: MSc 24PT; Vicky Ward 01332 622222
General Practice Medicine: MSc 24PT; Vicky Ward 01332 622222
Health Care: MSc 24PT; Steve Wilmot 01332 622222
Personal, Social and Health Education: MSc 24PT; Vicky Ward 01332 622222
Dundee U
Advanced Nursing Studies: Diploma DL; Mrs L Rogerson 01382 60111 ext 3412
Cognitive and Behavioural Psychotherapy: Diploma 10FT 21PT; Dr R Durham 01382 60111 ext 2415
Environmental Health: MSc 12FT; Dr J D Donnelly 01382 60111 ext 2417/2124
Master of Orthopaedic Surgery: MShOrtho 12FT; Prof D I Rowley 01382 322803
Medical Education: MMEd 12FT, Diploma 12-48PT, Certificate 12PT; Mrs J Shepherd 01382 60111 ext 3090
Molecular and Experimental Pathology: MSc 12FT 24PT, Dip 12FT; Dr H McArdle 01382 660111 ext 3308
Public Health: MPH 12FT; Dr J D Donnelly 01382 6011 ext 2417/2124
East London U
Contact Campus Registrar 0181 590 7722
Occupational Therapy: MSc 12FT 24-48PT, Diploma 12-24PT
Physiotherapy: MSc 12FT 24-48PT
Physiotherapy Practice: MSc 24PT, Diploma 15PT
Edinburgh U
Clinical Imaging: Diploma 24PT; Dr P L Allan 0131 536 2809
Clinical Oncology: MSc 24PT, Diploma 24PT; J F Smyth 0131 467 8449
Community Health: MSc 12FT, Diploma 9FT; Mrs R H Bisset 0131 650 3227
Environmental Health: MSc 12FT, Diploma 9FT; Mrs R M Bisset 0131 650 3227
Epidemiology: MSc 12FT, Diploma 9FT; Mrs R M Bisset 0131 650 3227
Health Education/Health Promotion: MSc 12FT, Diploma 9FT; Mrs R H Bisset 0131 650 3227
Neurosciences: MSc 12FT, Diploma 9FT; Mrs G Harland 0131 650 4562
Nursing and Health Studies: MSc 12FT, Diploma 9FT; Dr D Whyte 0131 650 3898
Orthodontics: MSc 12FT, Diploma 9FT; Prof P Sutcliffe 0131 650 2463
Reproductive Biology: MSc 12FT, Diploma 9FT; Dr T A Bramley 0131 229 4262
Exeter U
Complementary Health Studies: BPhil 12FT 24PT, MA 12FT 24PT: Roger M Hill 01392 264489
Health Care: Professional Education and Health Care: Professional Issues: MSc 24PT; Dr T P Lewis 01392 403023
Glamorgan U
Paediatrics: MSc 12FT 24PT, PG Dip 8FT 16PT, PG Cert 4FT 8PT; Course Vacancy Line 01443 482225
Glasgow U
Anatomical Sciences: MSc (MedSci) 24FT; Ms A K Spurway 0141 339 8855
Clinical Physics: MSc (MedSci) 24FT; Ms A K Spurway 0141 339 8855
Dermatology: MSc (MedSci) 24FT; Ms A K Spurway 0141 339 8855
Diagnostic Histopathology: MSc (MedSci) 24FT; Ms A K Spurway 0141 339 8855
Forensic Medicine and Science: MSc (MedSci) 24FT; Ms A K Spurway 0141 339 8855
Forensic Toxicology: MSc 21FT 33PT, Diploma 9FT 21PT; Prof H Smith 0141 339 8855
Haematology: MSc (MedSci) 24FT; Ms A K Spurway 0141 339 8855
Medical Cardiology: MSc (MedSci) 24FT; Ms A K Spurway 0141 339 8855
Medicine: MSc (MedSci) 24FT; Ms A K Spurway 0141 339 8855
Oncology: MSc (MedSci) 24FT; Ms A K Spurway 0141 339 8855
Otolaryngology: MSc (MedSci) 24FT; Ms A K Spurway 0141 339 8855
Public Health: MPH 12FT 24PT; Dr A Carnon 0141 339 8855
Residential Child Care: Adv cert 15PT; Mrs I Bloomfield 0141 339 8855
Sport and Exercise Science: MAppSci 24FT 36PT; Dr N Mutrie 0141 339 8855
Surgery: MSc (MedSci) 24FT; Ms A K Spurway 0141 339 8855
Glasgow Caledonian U
Biomedical Sciences: MSc 24PT, Diploma 12PT; David Scott 0141 331 3213
Greenwich U
Contact Course Enquiries 0181 316 8590
Nursing: MSc 12FT
Public Health: MPH 12FT 24PT January
Research (Health): MSc 24PT
Hertfordshire U
Clinical Studies: MSc 24PT, PG Dip 21PT, PG Cert; Tracey Hart 01707 284503
Mammography (prov): Certificate 12PT April/October
Medical Imaging Science: MSc 24PT December/January, PG Dip 24PT December/January, PG Cert 12PT December/January
Medical Imaging Sciences (Ultrasound): MSc 24PT January, Diploma 24PT January, Certificate 12FT January; Regina Fernando 01707 284966
Pharmacological and Clinical Sciences: MSc 24PT 48PT (evenings), PG Dip 21PT; Tracy Hart 01707 284503
Huddersfield U
Health Professional Education: MSc FT PT; Dr M Johnson 01484 422288 ext 2541
Health Professional Practice: MSc PT; Dr A Seed 01484 422288 ext 2541
Institute of Advanced Nursing (Manchester U)
Contact Scott Mabey 0171 355 1396
Child Health: MSc 1-5FT September/January/May
Education: PG Dip 12FT 24PT September/January/May
Health Services Management: MSc 1-5FT September/January/May
Health Services Management: PG Dip 1-5FT September/January/May
Health Studies: MSc 1-5FT September/January/May
Midwifery: MSc 1-5FT September/January/May
Nursing: MSc 1-5FT September/January/May
Research: MSc 1-5FT September/January/May
Keele U
Biomedical Engineering and Medical Physics: MSc Prof P Rolfe 01782 717079
General Psychiatry: MSc 24PT, Diploma 12PT; Dr C McWilliam 01782 716047
Gerontology: MA 12FT 24PT, Diploma 12PT; Dr M Bernard 01782 621111 ext 8036
Primary Medical Care: MSc 36PT, Diploma 24PT; Prof B McGuiness 01782 716746 ext 4996
Strategic Health and Community Care: MA 36PT, PG Dip 24PT, PG Cert 12PT; Ms Joan Scrivener 01782 584002
Kingston U
Radiography: Certificate 12FT 24PT, Diploma 12FT 24PT, MSc 12FT 24PT; Mrs M Hammick 0181 547 2000 ext 2665
Leeds U
Cardiology: PG Diploma 9FT; Dr McWilliam 0113 2334820
Cellular Pathology: MMedSc 12FT; Dr S W Evans 0113 2335685
Chemical Pathology: MMedSc 12FT; Dr K Lee 0113 2335681
Clinical Laboratory Sciences: PG Diploma 9FT January; Dr S W Evans 0113 2335685
Clinical Psychiatry: MMedSc 36PT; Dr D W Owen 0113 2332739
Public Health: MPH 12FT; Mrs V Sercombe 0113 2336941
Leeds Metropolitan U
Contact Course Enquiries Office 0113 2832600
Health Sciences: MSc 12FT 24-36PT, Diploma 12FT 24-36PT September/ February
Professional Studies: MSc 12FT 24-36PT, Diploma 12FT 24-60PT September/ February
Sport and Exercise Science: MSc 12FT 36PT
Leicester U
Molecular Pathology and Toxicity: MSc 12FT January; Higher Degrees 0116 2522298
Liverpool U
Clinical Biochemistry: MSc 24PT; Prof A Shenkin 0151 706 4232
Clinical Nursing (Nurse Practitioner): MSc 12FT; Mr B Gibbon 0151 794 5902
Ethics of Health Care: MSc 12FT 24PT; Lucy Frith 0151 794 5614
Forensic Behavioural Science: MSc 24PT, Diploma 12PT; Prof P Slade 0151 794 5529
Gerontology: MSc 24PT March/April, Diploma 12PT March/April: Dr B Merry 0151 794 5076
Health Sciences: MSc 12FT 24-48PT; Mr S Winterton 0151 794 5800
Medical Imaging Technology: MSc 36PT; Prof G Whitehouse 0151 794 5775
Nursing: MSc 12FT 24PT; Ms C Carlisle 0151 794 5681
Orthopaedic Surgery: MChOrth 12FT; Mrs L Maginn 0151 706 4122
Public Health: MPH 12FT 24PT; Dr N Bruce 0151 794 5582
Radiology (Diagnostic): Diploma 12PT (Pt2); Prof G Whitehouse 0151 794 5775
Liverpool John Moores U
Sports Science: MSc 12FT 24PT September/January; Andy Burrie 0151 231 2109
Liverpool School of Tropical Medicine (Liverpool U)
Contact Mrs Val Robbins 0151 708 9393
Applied Parasitology and Medical Entomology: MSc 12FT August
Community Health: MCommH 12FT January
Tropical Medicine: MTropMed 12FT August
Tropical Paediatrics: MTropPaed 12FT January
London: BPMF Institute of Cancer Research
Cancer Care: MSc 24PT; Miss Anne Lanceley 0171 352 8171 ext 2820
Clinical Oncology: Diploma 9FT; Mrs Jane Elvin 0181 643 8901 ext 4201
Palliative Care: MSc 24PT; Miss Anne Lanceley 0171 352 8171 ext 2820
London: BPMF Institute of Child Health
Contact Shane O'Brien 0171 831 6222 ext 224
Clinical Genetics: MSc 12FT
Clinical Paediatrics: Diploma 9FT
Community Disability Studies in Developing Countries: MSc 12FT
Community Paediatrics: MSc 12FT 24PT
Community-Based Rehabilitation: Diploma(S) 9FT
Mother and Child Health: MSc 15FT
Paediatric Surgery: Diploma(S) 9FT
London: BPMF Institute of Neurology
Contact Janet Townsend 0171 829 8740
Clinical Neurology: Diploma 6FT
Human Communication: MSc 12FT/24PT
Speech and Language Pathology and Therapy: MSc 30FT
London: BPMF Institute of Psychiatry
Child and Adolescent Psychiatry: Diploma(S) 12FT January; J Leifer 0171 703 5411 ext 3467
Clinical Mental Health Nursing: MSc 24PT; Ms S Ritter 0171 919 3213
Clinical Neuropsychology: Dip 9PT January; Dr L Goldstein 0171 919 3218
Clinical Psychology: MSc 36FT; Anne Stevens 0171 919 3244
Clinical and Public Health Aspects of Addiction: MSc 12FT 24PT; Dr Seta Durgeurian 0171 919 3441
Family and Marital Therapy: MSc 12FT; Ms D Mellors 0171 919 3196
Forensic Psychiatry: Diploma 12FT 24PT; Dr C Meaux 01344 773111 ext 4102
Mental Health Social Work: MSc 24PT; Dr Anne Rushton 0171 919 3285
Neuroscience: MSc 12FT 24PT; Mrs J Broadey 0171 919 3282
Therapy with Couples: Diploma 24PT; Clive Boddington 01428 722007
London: BPMF National Heart and Lung Institute
Contact Mrs S Stone 0171 351 8188
Cardiac Surgery: Diploma 9FT
Cardiology: Diploma 9FT
Membrane Ion Transport: MSc 12FT
Paediatric Cardiology: Diploma 9FT
Respiratory Medicine: MSc 12FT or 24FT
Thoracic Medicine: Diploma 9FT
London: Imperial College
Engineering and Physical Science in Medicine: MSc 12FT 24PT, Diploma 12FT 24PT; Admissions Office 0171 589 5111
London: King's College
Biomedical Sciences Research: MSc 12FT 24PT; Postgraduate Admissions Office 0171 872 3393
Clinical Biochemistry: MSc 24PT; Postgraduate Admissions Office 0171 872 3393
Gerontology: MSc 12FT 24PT; Postgraduate Admissions Office 0171 872 3393
Health Care Ethics: Diploma 12PT; Tracey Reibelt 0171 873 2382
Human and Applied Physiology: MSc 12FT 24PT; Postgraduate Admissions Office 0171 872 3393
Medical Engineering and Physics: MSc 24PT; Postgraduate Admissions Office 0171 872 3393
Medical Immunology: MSc 24PT
Nuclear Medicine: MSc 12FT 24PT
Nursing: MSc 12FT 24PT; Dr Ian J Norman 0171 872 3020
Rehabilitation Engineering: Diploma 12PT
Research Methods for Remedial Therapists: MSc 24PT, Diploma 12PT; Postgraduate Admissions Office 0171 872 3393
London: London Hospital Medical College
Contact Mr H A J Butter 0171 377 7000
Academic and Practical Physiotherapy for Sports: Diploma 7PT
Nuclear Medicine: MSc 12FT24PT
Occupational Therapy: Diploma 25FT
Sports Medicine: MSc 12FT 24PT, PG Dip 9FT
London: London School of Hygiene & Tropical Medicine
Contact Mrs Julie Thompsom 0171 927 2239
Communicable Disease Epidemiology: MSc 12FT 24PT
Epidemiology: MSc 12FT 24PT
Infection and Health in the Tropics: MSc 12FT
Infectious Diseases: Applied Molecular Biology: MSc 12FT
Infectious Diseases: Immunology: MSc 12FT
Medical Entomology: MSc 12FT
Medical Parasitology: MSc 12FT
Public Health: MSc 12FT 24PT
Public Health in Developing Countries: MSc 12FT
London: Royal Postgraduate Medical School
Contact Ms S Baker 0181 740 3118
Cardiology: Diploma 9FT
Chemical Pathology: Diploma(S) 12FT
Clinical Pathology: Diploma 12FT or 26FT February/October
Endocrinology (Biochemistry): Diploma(S) 12FT
Endocrinology (Pathology): Diploma(S) 12FT
Human Reproductive Biology: MSc 12FT
Image Analysis in Histology: MSc 12FT 24 or 48PT
Infectious Diseases: MSc 12FT January
Internal Medicine: Diploma(S) 9FT
Medical Imaging: Dip 9FT
Nephrology: Diploma 9FT
Nuclear Medicine: MSc 12FT 24PT
Obstetrics and Gynaecology: Diploma(S) 6FT
Perinatal Paediatrics: Dip 9FT
Surgical Science: MSc 12FT
Toxicology (Experimental Pathology and Biochemical Mechanisms): MSc 12FT
London: St George's Hospital Medical School
Contact Ms C Dacey 0181 725 2629
Addictive Behaviour: MSc 12FT 24PT
Cognitive Behavioural Psychotherapy: MSc 24PT
Health Sciences: MSc 24PT
Human Sexuality: MSc 12FT 24PT
Public Health: MSc 24PT
London: United Medical and Dental Schools of Guy's and St. Thomas's Hospitals
Child Art Psychotherapy: Dip 24PT; Ms V Vaserhelyi 0171 955 4585
Clinical Biochemistry: MSc 24PT; Dr D Reaveley 0181 846 7060
Dermatology: Diploma 12FT, MSc 12FT; Ms Tessa Brewer 0171 922 8075
General Practice: MSc 24PT; Ms N Britten 0171 735 8881
Health Psychology: MSc 24PT; Prof J Weinman 0171 955 4965
Medical Informatics: MSc 12FT 24PT; Ms M Colby 0171 477 8369
Mental Health Studies: MSc 12FT 24PT; Dr I Ranjh-Singh 0171 955 4273
Nuclear Medicine: MSc 12FT 24PT; Dr S Clarke 0171 955 5000 ext 4592
London: University College
Contact Admissions Enquiries 0171 380 7365
Audiological Medicine: MSc 12FT 24PT
Audiological Science: PGDip 9FT 18PT
Auditory Science: MSc 12FT
Medical Anthropology: MSc 12FT 24PT
Molecular Endocrinology: MSc 24PT
Molecular Pathology: MSc 24PT, PGDip 12FT
Musculo-Skeletal and Osteopathic Medicine: MSc 24PT
Neurological Science: MSc 12FT
Physiology: MSc 12FT 24PT
Physiotherapy: MSc 12FT 24-36PT
Psychiatric Theory and Research: MSc 27PT
Sociology, Health, and Health Care: MSc 18PT
Surgical Science: MSc 12FT
Technical Audiology: MSc 24PT, Diploma 24PT
Urology: MSc 24PT, Diploma(S) 11FT 22PT
Loughborough U
Research in Remedial and Caring Practice: MSc 24PT, Dip 12PT; D Taylor 01509 263171 ext 4267
Manchester Metropolitan U
Contact Ms S Robertson 0161 247 2577
Clinical Communication: MSc 12FT 48PT January 95 Proposed
Sports Injury and Therapy: PG Cert 12DL, PG Dip 24DL, MSc 36DL
Manchester U
Audiological Medicine: MSc 12FT 24PT; Dorothy Evans 0161 275 3463
Audiology: MSc 12FT; Head of Department 0161 275 2000
Audiology (Paediatric Habilitation): MSc 10FT; Head of Department 0161 275 2000
Biomedical Applications of Physical and Computing Sciences: MSc 12FT 24-36PT; Dr H L Sharma 0161 275 5152
Biosensors: MSc 12FT; Dr W R Robertson (Hope Hospital) 0161 787 4370
Clinical Biochemistry: MSc 12FT; Dr Anne White 0161 787 4336
Epidemiology and Biostatistics: MSc 12FT 24PT; Prof S P B Donovan 0161 275 5200
Immunology and Immunogenetics: MSc 12FT, Diploma 9FT; Dr R Grevas 0161 275 5806
Neuroscience: MSc 12FT, Diploma 9FT; Dr I Grencis Davis 0161 275 5806
Nursing: MSc 12FT 24PT; Dr A Williams 0161 275 5333
Occupational Health Sciences: MSc 12FT 24PT; Prof N Cherry 0161 275 5200
Psychiatric Social Work: MSc 12FT 24PT, Diploma 12FT; M Kerfoot 0161 275 5220
Psychiatry: MSc 36PT, Diploma 21PT; Prof F H Creed 0161 275 5035
Public Health and Health Promotion: MSc 12FT 24PT; Dr A S St Leger 0161 275 5200
Moray House Institute of Education (Heriot-Watt U)
Exercise and Health Science: MSc/Dip Modular 12FT 24PT; Professional Development Centre 0131 558 6973
Nene College
Health Studies (prov): MSc; The Academic Registrar 01604 735500
Newcastle U
Biosensors: MSc 12FT 24PT; Dr A W Skillen 0191 222 6000
Clinical Biochemistry: MSc 12FT 24PT; Dr A W Skillen 0191 222 6000
Community Child Health: MSc 24PT; Medical School Postgraduate Office 0191 222 6000
Language Pathology: MSc 24FT 48PT; Dr M Kennedy 0191 222 6000
Medical Biotechnology: MSc 12FT 24PT; Dr G A Turner 0191 222 6000
Medical Science: MMedSci 12FT, Diploma 9FT, MA 12FT; Medical School Postgraduate Office 0191 222 6000
Public Health Medicine: MSc 24FT; Dr R G Thomson 0191 222 6000
Rehabilitation Management: MSc 24PT; Dr M P Barnes 0191 222 6000
Therapeutics: Diploma 9PT; Dr J G Kennedy 0191 222 6000
North East Wales Institute of HE
Nursing (Wales: College Of Medicine): MSc 12-24FT 24PT; Jenny Jones 01978 290666
Northumbria U
Biomedical Sciences: MSc 36PT; Dr D Holmes 0191 227 4585
Nottingham U
Assisted Reproductive Technology: MMed Sci 12FT; Miss Y Awad 0115 9709451
Community Paediatrics: MSc 12FT; Dr L Polnay 0115 9709259
Health Care Policy and Organisation: Diploma 24-48PT, MSc 24-48PT; Dr E A Hart 0115 9709323
Medical Sciences in Primary Health Care: MMed Sci 12FT 24PT; Dr Petchey 0115 9709901
Public Health: MPH 12FT 24PT; Alison Langham 0115 970 9407
Sports Medicine: MSc 24PT; Prof A Wallace 0115 970 9407
Nottingham Trent U
Contact Sue Ward 0115 948 6586
Biomedical Science: MSc 26PT
Occupational Health and Safety Management: MSc 24PT Diploma 12PT
Oxford Brookes U
Advanced Health Care Practice: MSc 10-20PT, Diploma 10-20PT; Ms W Kershaw 01865 224072
Education for Professional Health Care Practice: Diploma 10FT 20-30PT; Ms J Spouse 01865 224665
Geratology: MSc 10FT 20PT, Diploma 12FT 24PT; Ms M Hogan 01865 221550
Health Care Studies: MSc 12FT 24PT; Ms J Snowball 01865 221558
Psychodynamic Practice: Diploma 12FT; Ms H Brown 01865 226360
Portsmouth U
Applied Toxicology: MSc 12FT, Diploma 5FT; Ann Moffat 01705 842036
Biomedical Science: MSc 32PT, Diploma 24PT; Prof David Rogers 01705 842625
Medical Imaging/Theories of Medical Imaging: MSc 36PT, Diploma 24PT, Certificate 12PT; Dr Chris Turner 01705 842150
Nursing: MSc 24PT; Recruitment Office 01705 286228
Queen Margaret C
Midwifery: MSc 36PT; Heather Shaw 0131 317 3000
Reading U
Contact Dorothy Buss 01734 875123 316585
Health and Nursing Studies: MA 36PT, Diploma 24PT
Language Pathology: MA 24FT 45PT
Robert Gordon U
Contact Admissions Office 01224 262105
Health Promotion: PG Dip 24PT, MSc 24PT, Cert 12PT
Medical Ultrasound: PG Dip 24PT Block release
Nursing: PG Dip 24-48PT, MSc 24-45PT
Roehampton Institute (Surrey U)
Clinical Neuroscience: MSc 24PT, PG Dip 12PT; Faculty Registry Officer 0181 392 3084
Clinical Neuroscience with Immunology: MSc 12FT 24PT, Diploma 12PT; Faculty Registry Office 0181 392 3084
Clinical Nutrition: MSc 12FT 24PT, Diploma 12PT; Faculty Registry Officer 0181 392 3084
Diabetes: Diploma 12PT; Faculty Registry Officer 0181 392 3084
Mental Health and Ethnicity: Certificate 12PT; Admissions Office 0181 392 3000
Neurobiology, Stress and Stress Management: MSc 12FT 24PT, Diploma 12PT; Faculty Registry Officer 0181 392 3084
Neuroimaging and Healthcare: MSc 12FT 24PT, Diploma 12PT; Faculty Registry Officer 0181 392 3084
Nutrition, Brain and Behaviour: MSc 12FT 24PT, Diploma 12PT; Faculty Registry Officer 0181 392 3084
Substance Misuse: Prevention and Education: Certificate 12PT; Admissions Office 0181 392 3000
Sheffield Hallam U
Biochemical Basis of Disease: MSc 12FT 36PT, Dip 8FT 24PT, Cert 4FT 12PT; Ms Sue Peacock 0114 2533086
Biotechnology and Pharmacology: MSc 12FT 36PT, PGDip 8FT 24PT, PGCert 4FT 8FT; Ms Sue Peacock 0114 253 3086
Human Neurobiology (Sheffield U): MSc 12FT 36PT, Dip 8FT 24PT, Cert 4FT 12PT; Ms Sue Peacock 0114 2533066
Medical Ultrasound: Diploma 24PT; Programme Office 0114 253 2372
Pathological Sciences: MSc 12FT 24PT
Sheffield U
Anatomy and Cell Biology: MMed Sci 12FT; Mr K V Tayles 0114 2768555 ext 4026
Clinical Communication Studies: MMedSci 24FT; Sara Howard 0114 282 4870/4871
Clinical Nursing and Midwifery: MMedSci 12FT 24PT; Ms H McDonnell
Clinical Pathology: MMed Sci 12FT; Mr K V Tayles 0114 2768555 ext 4026
Legal Medicine: DLM 12FT
Science of Sports Coaching: MSc 12FT; Dr E A Trowbridge 0114 2768555 ext 4026
Sports and Exercise Science: MMed Sci 12FT; Dr E A Trowbridge 0114 2768555 ext 4026
South Bank U
Applied Radiography: MSc 24PT, Diploma 24PT; Noreen Sinclair 0171 815 7928
Clinical Ultrasound: PG Dip 12FT 24PT, PG Cert 12FT 24PT; Peter Keane 0171 815 7911
Community Health Care (Health Visiting or District Nursing): MSc 18FT 30PT, Diploma 12FT 24PT; EHS 0171 815 8003
Community Health Nursing: MSc 24PT, Diploma 12PT; EHS 0171 815 7443
Health Education and Promotion: MSc 12FT 24-36PT, Diploma 12FT 24-36PT; EHS 0171 815 8003
Midwifery Studies (Education): PGDip 12PT; EHS 0171 815 8003
Midwifery, Professional Studies: Dip(DL) 24-60PT; EHS 0171 815 8003
Nuclear Medicine: PG Dip 12FT 18PT, PG Cert 12FT 18PT; SAS 0171 815 7900
Nursing: MSc 12FT 24PT, PG Dip 30-60PT; EHS 0171 815 8000
Nursing Studies: Diploma 12PT; EHS 0171 815 8003
Nursing, Professional Studies: Dip(DL) 24-60PT; EHS 0171 815 8000
Professional Studies in Midwifery: Diploma 24FT; EHS 0171 815 8000
Southampton U
Audiology: MSc 12FT; Dr A M Martin 01703 592149/ 592309
Rehabilitation Studies: MSc 15FT, Dip 12FT; Anne Ashburn 01703 594411/796467
St Mary's U College Strawberry Hill (Surrey U)
Exercise and Health Science: Diploma 18PT, MSc 24PT; Liz Pike 0181 829 0051
Staffordshire U
Health Studies: Diploma 8FT 84PT, Certificate 4FT 84PT, MA 8FT 84PT
Strathclyde U
Clinical Gait Analysis: Diploma 24DL (max); Mr D Simpson 0141 552 4400 ext 3426
Lower Limb Orthotic Biomechanics: Diploma 24DL (max); MR D SIMPSON 0141 552 4400 ext 3426
Lower Limb Prosthetic Biomechanics: Diploma 24DL (max); Mr D Simpson 0141 552 4400 ext 3426
Prosthetics and Orthotics: Diploma 9-18FT, MSc 12-21FT 24PT; Dr D Jones 0141 552 4400 ext 3917
Surrey U
Advanced Clinical Practice: MSc 26PT March
Advanced Midwifery Practice: PG Dip 12FT 24PT, MSc 36PT
Applied Toxicology: MSc 36-60PT, Diploma 24-60PT; Diana Morrison 01483 259256
Clinical Biochemistry with Molecular Biology: MSc 12FT 24PT; Dr J Chakraborty 01483 259702
Health Ergonomics: MSc 24PT Any time, Adv Dip 24PT Any time
Occupational Health: MSc 24-36PT, Diploma 24-36PT
Occupational Health Nursing (ENB): PG Dip 24PT; Diana Morrison 01483 259256
Occupational Health and Safety (IOSH - BEBOH): MSc 24-60 PT, PG Diploma 24-60 PT Any date.; Diana Morrison 01483 259256
Occupational Hygiene (BEBOH): MSc 24-36PT, Diploma 24-60PT
Occupational Safety (IOSH): MSc 24-36PT, Diploma 2460PT; Diana Morrison 01483 259256
Pharmaceutical Medicine: MSc 24-60PT Any time; Ms M McCarthy 01483 418208
Swansea Institute of Higher Education
Nursing (U. of Wales): MSc 24PT, Diploma 24PT; Mr P Meredith-Smith 01792 481000
Teesside U
Contact Miss C Keen 01642 342384
Clinical Orthopaedics: MCh 24PT
Health Studies: MSc 12FT
Medical Ultrasound: MSc 36FT, PG Dip 12FT, PG Cert 12FT
Thames Valley U
Midwifery Practice: MA 12FT 24PT; The Guidance Shop 0181 579 5000/ 01753 534585
Ulster U
Contact Mrs E Wilson 01265 44141
Addiction Studies: MMedSci 24PT
Advanced Nursing/Midwifery: Diploma 9FT 18PT, MSc 18FT 27PT
Biomedical Sciences: MSc 12FT 24PT, Diploma 12FT 12PT
Medical Sciences: DMedSc 36-48FT 60-72PT
Radiation Science: Certificate 9FT 12PT, MSc 12FT 24PT, Diploma 9FT 12PT
University College Salford (Salford U)
Advanced Radiography Practice: MSc 24PT, Diploma 24PT; Stuart McKay 0161 745 3489/3212
Advanced Social Work Studies: MA 24PT, Diploma 24PT; Doug Hearn 0161 745 3290
Community Care: MA 24PT, Diploma 24PT; Jane Morgan 0161 745 3290
Counselling: Diploma 24PT, Cert 12PT; Valerie Monk 0161 745 3290
Dysfunction of the Lower Limb (Podiatry): PG Dip 12PT; Sue Braid 0161 745 3304
Health Practice: MSc 24PT (min), Diploma 12PT (min); Lesley Rimmington 0161 745 3332
Health Practice (Podiatry): Diploma 12PT, MSc 24PT; Gus Gem 0161 736 6541 ext 229
Management of the High Risk Patient (Podiatry): PG Dip 12PT; Sue Braid 0161 745 3304
Medical Ultrasound: MSc 24PT, Diploma 18PT, Certificate 12PT; Judy Fisher 0161 736 6541 ext 489
Nuclear Medicine Technology: MSc 24PT, PG Dip 18PT; Peter Hogg 0161 736 6541 ext 321
Occupational Safety and Health: MSc 24PT, Diploma 16PT; Liz Falconer 0161 736 3452
Social Work Studies: MA 24PT; Rhiannon Billingsley 0161 745 3290
UWE, Bristol
Biomedical Sciences: Diploma 24PT, MSc 30PT; Ray Griffin 0117 9656261
Health Promotion: PG Dip 24PT, MSc 12PT; Jennie Naidoo 0117 9656261
Wales: Aberystwyth
Health Information Management: MSc Econ 36DL, Diploma; Mrs Gina Preston 01970 623111/622020
Wales: College of Medicine
Anaesthesia and Intensive Care: MSc 24FT; Ms Liz Harmer 01222 744141
Biomedical Methods: Diploma(C) 9PT; Ms Liz Harmer 01222 744141
Community Child Health: MSc 24PT; Ms Liz Harmer 01222 744141
Dermatological Sciences: Diploma(C) 9FT; Ms Liz Harmer 01222 744141
Dermatology: MSc 6FT July; Ms Liz Harmer 01222 744141
Medical Education: MSc 12FT 24PT, Diploma 12FT 24PT; Ms Liz Harmer 01222 744141
Medical Illustration (Photography and Video): MSc 12FT 24PT; Prof R A Morton 01222 743306
Nursing: MSc 24PT, MSc 15FT; Dr P Burnard 01222 743738
Pain Management: Diploma 24DL; Liz Harmer 01222 747747
Palliative Medicine: Diploma(C) 24PT; Ms Liz Harmer 01222 744141
Pharmaceutical Public Health: Certificate 12PT; Ms Liz Harmer 01222 744141
Practical Dermatology: Diploma(C) 9DL April; Ms Liz Harmer 01222 744141
Psychiatry: MSc 12FT 36PT; Ms Liz Harmer 01222 744141
Psychological Medicine: Diploma 9FT 24PT; Liz Harmer 01222 744141
Public Health: MPH 12-18FT 24PT, Diploma 12FT 24PT; Ms Eileen Darby 01222 742323
Therapeutics: Diploma 12PT; Ms Liz Harmer 01222 744141
Tuberculosis and Chest Diseases: Diploma(C) 6FT; Ms J Pierce 01222 705187
Wales: Swansea
Contact A J Morgan 01792 295132
Genetic Toxicology: Diploma(C) 9FT 18PT
Midwifery: Masters 24PT
Neurophysiological Sciences for the Gulf States: Diploma 9FT
Nursing: MA 24PT
Warwick U
Contact Mrs A Wallis-power 01203 523913
Community Child Health: MSc 12FT 24PT, Diploma 24PT, Certificate 12PT
Primary Health Care Management: MSc 12FT, Diploma 9FT, Certificate 24PT
West London Institute (Brunel U)
Contact Caroline Browne 0181 891 0121
Health Promotion: MSc 12FT 36PT
Neurorehabilitation: MSc 36PT
Nursing Studies: MSc 36PT
Rehabilitation Counselling: MSc 36PT
Westminster U
Applied Haematology: MSc 24PT; Val Hall 0171 911 5000
Biomedical Sciences: MSc 12FT 24PT; Val Hall 0171 911 5000
Community Development: MA 24PT, Diploma 12PT; Pam Prentice/ Angela King 0171 255 3550
Community Observation: MA 24PT, Dip 12PT; Pam Prentice/ Angela King 0171 255 3550
Community and Primary Health Care: MA 24PT, Dip 12PT; Pam Prentice/ Angela King 0171 255 3550
Complementary Therapy Studies Pam Prentice/ Angela King 0171 255 3550
Fellowship of the Institute of Medical Laboratory Sciences: Fellowship 36PT; Val Hall 0171 911 5000
General Practice and Primary Health Pam Prentice/ Angela King 0171 255 3550
Medical Microbiology: MSc 20PT; Val Hall 0171 911 5000
Medical Molecular Biology: MSc 24PT; Val Hall 0171 911 5000
Therapeutic Bodywork Pam Prentice/ Angela King 0171 255 3550
Wolverhampton U
Contact School of Health Sciences 01902 321103
Biomedical Science: MSc 24PT (min)
Health Studies: MA 24PT, MSc 24PT

Pharmacy/Pharmacology/Ophthalmology

Aberdeen U
Clinical Pharmacology: MSc 12FT, Diploma 12FT; Dr Heather M Wallace 01224 681818 ext 53014
Clinical Pharmacology: MSc 12FT; Dr H M Wallace 01224 681818 ext 52481
Pharmacoepidemiology: MSc 12FT; Dr Andrew H Watt 01224 681818 ext 53096
Bradford U
Clinical Pharmacy: MPharm 12FT 24PT, Diploma 9FT 21PT; Dr S Corlett 01274 384760
Optometry: MSc 15FT 24-48PT; Dr T Jenkins 01274 384640
Pharmaceutical Services and Medicines Control: MSc 12FT; Dr B Clark 01274 384707
Pharmacology: MSc 12FT, Diploma 9FT; Dr J McCurrie 01274 384697
Bristol U
Advanced Neuro and Molecular Pharmacology: MSc 12FT; Prof P J Roberts 0117 9289000
Opthalmology: MSc 12FT; Prof D Easty 0117 9289000
De Montfort U
Community Clinical Pharmacy: MSc PT, Dip PT; Dr D M Collett 0116 259 7275
Psychiatric Pharmacy: MSc 12PT, PG Dip 24PT; Miss T Mukadam 0116 259 7275
Derby U
Clinical Pharmacy: MSc 24PT, Diploma 16PT; Dr Malcolm Partridge 01332 622222
Social and Administrative Pharmacy: MSc 24PT, Diploma 12PT; David Gerrett 01332 622222
East London U
Pharmacology: MSc 24PT, Diploma 12PT; Stratford Campus Registrar 0181 590 7722
Glasgow U
Contact Ms A K Spurway 0141 339 8855
Clinical Pharmacology: MSc (MedSci) 12FT
Ophthalmology: MSc (MedSci) 24FT
Greenwich U
Contact Course Enquiries 0181 316 8590
Formulation Science: MSc 12FT 24PT
Industrial Pharmaceutical Studies: MSc 12FT 24PT
Pharmaceutical Sciences: MSc 12FT 24PT
Hertfordshire U
Biomedical Pharmacology: MSc 12FT 24PT, PG Dip 9FT 21PT; Tracey Hart 01707 284503
Medicinal Chemistry: MSc 12FT 24PT, PG Dip 9FT 21PT; Tracey Hart 01707 284503
Pharmacology: MSc; Admissions Office Natural Sciences 01707 284503
Keele U
Certificate in Advanced Therapeutics: Certificate 12PT; Dr J C Mucklow 01782 621111
Clinical Pharmacy: Diploma 21PT, MSc 33PT; Mrs S Chapman 01782 621111 ext 4133
Community Pharmacy: MSc 33PT, Diploma 21PT; Ms P Black 01782 621111
Liverpool U
Pharmacology: MSc 12FT; Dr S A Ward 0151 794 5541
Liverpool John Moores U
Clinical Pharmacy: MSc 24PT, PG Dip 18PT; Dave Mottram 0151 231 2071
London: BPMF Institute of Ophthalmology
Contact Courses Promotions Officer 0171 608 6898
Community Eye Health: Diploma(S) 6FT, MSc 12FT 24PT
Ophthalmology - Community Eye Health: Certificate 3FT April, MSc 12FT 24PT
London: King's College
Contact Postgraduate Admissions Office 0171 872 3393
Biopharmacy: MSc 12FT 24PT
Community Pharmacy: Diploma 12PT
Experimental Drug Research: MSc 24PT
Medical Ultrasound: MSc 24PT
Pharmaceutical Analysis and Quality Control: MSc 12FT 24PT
Pharmaceutical Sciences (Phytochemical Methods): Diploma 9FT
Pharmaceutical Technology: MSc 12FT 24PT
Pharmacology: MSc 12FT
Pharmacy Practice: Diploma 12PT, MSc 24PT
Radiopharmaceutical Sciences: Diploma 24PT
Manchester U
Clinical Pharmacy: MSc 12FT; Senior Clinical Lecturer 0161 275 2413
Pharmacology: MSc 12FT, Diploma 9FT
Pharmacy Practice: MSc 36PT (min), Diploma 24PT (min); Prof Peter Noyce 0161 275 2375
Newcastle U
Clinical Pharmacy: Diploma 12PT; Medical School Postgraduate Office 0191 222 6000
Nottingham U
Clinical Pharmacy: Diploma 12PT, MSc 21FT/PT 36PT; Dr M Aslam 0115 9515060
Portsmouth U
Clinical Pharmacy: MSc 30PT, Diploma 24PT; Dr David Brown 01705 842656
Robert Gordon U
Clinical Pharmacy: Diploma 6FT 24PT, MSc 12FT 36PT; Admissions Office 01224 262105
Southampton U
Biochemical Pharmacology: MSc 12FT 24PT; Dr Keith Fox 01703 594374
Strathclyde U
Clinical Pharmacy: MSc 12FT 24PT, Diploma 9FT 18PT; Prof S Hudson 0141 552 4400 ext 4276
Pharmaceutical Analysis: MSc 12-24FT, Diploma 12FT; Dr G Skellern 0141 552 4400 ext 2263
Pharmacology: MSc 12FT or 24PT, Diploma 9FT; Dr R Wadsworth 0141 552 4400 ext 2154
Sunderland U
Contact Admissions Office 0191 515 2082
Clinical Pharmacy: MSc 12FT 24PT, Diploma 12PT (min)
Pharmaceutical Quality Assurance: Diploma 12PT (min), Certificate 12PT (min)
UMIST
Contact Dr Ruth F Itzhaki 0161 200 3879
Optometry and Vision Sciences: MSc 12FT 24/36/48PT
Vision and Brain Sciences: MSc 12FT 24PT
Wales: Cardiff
Clinical Pharmacy: Diploma(C) 24PT; Ms C Grant 01222 874783
Clinical Science: Diploma(C) 24PT; Dr D J Bailey 01222 874783
Community Pharmacy: Diploma 24PT; Prof D K Luscombe 01222 874783
Regulatory Affairs Affecting Pharmaceutical Food and Cosmetic Products: Diploma(C) 24PT; Dr I H Harrison 01222 874783

Chemistry

Aberdeen U
Contact Mrs Lorna Ingram 01224 273506
Analytical Chemistry: MSc 12FT, Diploma 9FT
New Materials: MSc 12FT
Silicate and Solid State Chemistry: MSc 12 or 24FT
Anglia P.U.
Instrumental Analytical Chemistry: MSc 27PT; Elaine Hawes 01245 493131
Bristol U
Surface Chemistry and Colloids: MSc 12FT 24-36PT; Dr J W Goodwin 0117 9289000
Central Lancashire U
Analytical Chemistry: MSc 12FT 24PT; Student Recruitment 01772 201 201
De Montfort U
Chemometrics: MSc 12FT 24PT; Dr Paul Hagan 0116 257116
Dundee U
Bioanalytical Chemistry: Diploma 9FT; Dr T J Dines 01382 344728
Biological Nuclear Magnetic Resonance: MSc 12FT, Diploma 12FT; Prof G Hunter 01382 344305
Surface Science and Heterogenous Catalysis: MSc 12FT, Diploma 9FT; Dr T J Dines 01382 344728
East Anglia U
Contact Mrs Sue Seeley 01603 592220
Biocolloid Chemistry: MSc 12FT
Chemical Physics/Physical Chemistry: MSc 12FT
Chemical Spectroscopy: MSc 12FT
Chemistry: Diploma 9FT
Colloid and Interface Chemistry: MSc 12FT
Heterocyclic Chemistry: MSc 12FT
Physical Organic Chemistry: MSc 12FT
Science Education: MSc 12FT 15-36PT, Diploma 9FT
Spectroscopic and Physical Methods of Chemical Analysis: MSc 12 or 24FT
Synthetic Organic Chemistry: MSc 12FT
Edinburgh U
Environmental Chemistry: Diploma 9FT, MSc 12FT; Prof B F G Johnson 0131 650 4730
Glasgow U
Applications of Radiochemistry and Analytical Chemistry: MSc 12-24FT 24-36PT; Mr Martin 0141 339 8855
Glasgow Caledonian U
Instrumental Analytical Chemistry for EM and PQA: MSc 12FT, Diploma 8FT; Andrew Eadie 0141 331 3653
Greenwich U
Chemical Analysis: MSc 12FT 24PT; Course Enquiries 0181 316 8590
Heriot-Watt U
Colour Science: MSc 12FT 24PT, PG Dip 9FT 18PT, Certificate 9FT; Dr R R Mather 01896 753351
Hertfordshire U
Contact Admissions Office, Natural Sciences 01707 284503
Analytical Chemistry: MSc 12FT 24PT, PG Dip 9FT 21PT
Chemical Computing: MSc 12FT 24PT, PG Dip 9FT 12PT
Chemical Process Technology: MSc 12FT 24PT, PGDip 9FT 12PT
Medicinal Chemistry: MSc 12FT 24PT, PGDip 9FT 12PT, PGCert
Huddersfield U
Analytical Chemistry: MSc 12FT February; Dr R E Ardrey 01484 472708

Continued on next page

KEY

Course title
Some courses may link a wide range of options in a given subject area. These groupings of of courses are identified by the suffix (general), eg Earth Sciences (general).

Contact names
The names of people able to give further details of courses shown. When a contact is responsible for several courses, their name will appear only once in each section.

Validation
Where an institution's courses are validated by another, the validating institution's name is given in brackets.

Qualification
The range of qualifications available within each course, eg Diploma, MSc, MLib

Duration
The negth of the course in months. FT: full-time. PT: part-time.

Second Degree: The Times guide to postgraduate courses

Continued from previous page

Hull U
Contact Postgraduate Office 01482 465568
Analytical Chemistry: Diploma 12FT
Analytical Science: MSc 12FT 24-36PT

Kent U
Chemistry: MSc 12FT 48PT max; Mary Hughes 01227 764000

Kingston U
Analytical Chemistry: MSc 24PT, Diploma 18PT, Certificate 12PT; D Kealey/ Mary Forster 0181 547 2000 ext 2570/2432

Lancaster U
Contact Miss S Arkwright 01524 592033
Analytical Chemistry: MSc 12FT 27-36PT 1 October any date
Chemistry: PG Dip 9FT
Polymer Science: MSc 12FT

Liverpool U
Surface Science and Catalysis: MSc 9FT: Dr G Hutchings 0151 794 3585
Surface and Interface Science: MSc 9FT: Mrs B Keeffe 0151 794 3541

Liverpool John Moores U
Instrumental Chemical Analysis: MSc 28PT, Diploma 22PT September/January: Robert Edwards 0151 231 2049

London: Birkbeck College
Contact Assistant Registrar 0171 631 6390/6307
Analytical Chemistry: MSc 12FT 24PT
Chemical Research: MSc 12FT 24PT
Crystallography: MSc 9FT 21PT

London: Imperial College
Chemical Research: MSc (DIC) 12FT 24PT: Admissions Office 0171 589 5111

London: King's College
Contact Postgraduate Admissions Office 0171 872 3393
Advanced Studies in Chemistry: Diploma(S) 9FT
Chemical Research: MSc 12FT 24PT

London: Queen Mary and Westfield College
Contact Postgraduate Admissions Office 0171 975 5074
Chemical Research: Diploma 12FT 24PT, MSc 12FT 24PT, Cert 12FT 24PT
Chemical Research: PG Cert 12FT 24PT

London: University College
Chemical Research: MSc 12FT 24PT: Admissions Enquiries 0171 380 7365

Loughborough U
Analytical Chemistry and Instrumentation: MSc 12FT 24-36PT: Dr B L Sharp 01509 222572
Medicinal Chemistry and Drug Metabolism: MSc 12FT: Dr W G Salt 01509 222582

Luton U
Analytical Instrumentation: Diploma 10FT, MSc 10FT: Steve Kendall, Admissions Unit 01582 743255

Manchester Metropolitan U
Quality Assured Applied Chemical Analysis: MSc 12FT 36PT: Dr J R Duffield 0161 247 1422

Manchester U
Polymer Science and Technology: MSc 12FT 24PT, Diploma 12FT: Head of Department 0161 275 2000

North London U
Synthetic Organic Chemistry: MSc 24PT, Dip 24PT: School of Applied Chemistry 0171 607 2789 ext 2140

Northumbria U
Analytical Chemistry: PG Cert 36PT, PG Dip 36PT: Dr J R Dean 0191 227 4585

Reading U
Chemical Research: MSc 12FT 24PT October/January: Dorothy Buss 01734 875123/ 316585

Robert Gordon U
Instrumental Analytical Sciences: Diploma 8FT, MSc 12FT: Admissions Office 01224 262105

Salford U
Analytical Chemistry: MSc 12FT 24PT October/January/April, PG Dip 12FT 24PT: Dr P J Baugh 0161 745 5000 ext 3711
Radiochemistry and NuclearTechology: MSc 12FT 24PT: Dr R Blackburn 0161 745 5000 ext 4608

Sheffield Hallam U
Clinical Analytical Science: MSc 12FT 36PT, PGDip 8FT 24PT, PGCert 4FT 12PT: Ms Sue Peacock 0114 253 3086

Southampton U
Chemistry (prov): MRes 12FT: Dr J M Mellor 01703 594121

St Andrews U
Biological and Medicinal Chemistry. MSc 12FT, Diploma 9FT: Dave Roberts 01334 76161

Staffordshire U
Analytical Chemistry: MSc 12FT 36PT: Prof J C Terry 01782 573376

Strathclyde U
Forensic Science: MSc 12FT, Diploma 9FT: Prof B Caddy 0141 552 4400 ext 2801

Surrey U
Analytical Science: MSc 24PT Any date

Sussex U
Contact Prof A J Stace 01273 678619
Medicinal Chemistry: MSc 12FT
Organometallic Chemistry: MSc 12FT

UMIST
Contact Dr B L Booth 0161 200 4506
Advanced Chemical Technology: MSc 12FT 24PT, Diploma 9FT 17PT
Chemistry of Advanced Materials: MSc 12FT 24PT, Diploma 9FT 17PT
Petrochemicals and Hydrocarbon Chemistry: MSc 12FT 24PT, Diploma 9FT 17PT

Wales: Bangor
Modern Chemical Laboratory Practice: MSc 12FT, Diploma 9FT: Dr P J Murphy 01248 382392

Warwick U
Instrumental and Analytical Methods in Biological and Environmental Chemistry: MSc 12FT 24PT, Diploma 12FT 18PT: Mrs C Billing 01203 523653

Westminster U
Clinical Chemistry: MSc 24PT; Val Hall 0171 911 5000

Wolverhampton U
Instrumental Chemical Analysis: MSc 12FT 24-60PT, Diploma 12FT 24PT; School of Applied Sciences 01902 321051

York U
Contact John Heath 01904 432143
Analytical Science: MSc 24-36PT
Chemistry and Chemical Education: MSc 3FT, MSc 21PT by arrangement

Computer Studies

Aberdeen U
Applied Artificial Intelligence: Diploma 12FT, MSc 12FT: Dr Pete Edwards 01224 272296

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Where an institution's courses are validated by another, the validating institution's name is given in brackets.

Qualification
The range of qualifications available within each course, eg Diploma, MSc, MLib.

Duration
The negth of the course in months. FT: full-time. PT: part-time.

Abertay U
Software Engineering: MSc 12FT. Diploma 9FT: Dr C Miller 01382 308616

Anglia P.U.
Software Engineering Management: MSc 12FT 24PT: Elaine Hawes 01245 493131

Aston U
Software Engineering with Applications: MSc 12FT 24-60PT. Diploma 6FT 12-48PT: Sara Lawrence 0121 359 3611 ext 4269

Bath U
Symbolic Computation: MSc 12FT 24PT. Diploma 9FT 21PT: Dr J A Abbott 01225 826826 ext 6605

Bolton I.H.E.
Business Computing Systems: MSc 12FT 24-36PT. Diploma 6FT 12-24PT, Certificate 3FT 6-12PT: Business School 01204 528851

Bournemouth U
Contact Admissions Officer 01202 524111
Advanced Computing: MSc 60PT. Diploma 36PT
Software Engineering: MSc 12FT. Diploma 12FT

Bradford U
Contact Mr G Garside 01274 383922
Computing: MSc 12FT 36PT. Diploma 9FT 24PT
Intelligent Knowledge-Based Systems: MSc 12FT
Software Engineering: MSc 12FT

Brighton U
Computer Technology in Manufacture: MSc 12FT 24PT. Diploma 12FT 24PT: Enquiry Team 01273 600900
Software Engineering: MSc 20PT. Diploma 10FT: Enquiry Team 01273 642495/642451

Bristol U
Contact Mrs L Neck 0117 9289000
Advanced Computing: MSc 12FT
Computer Science: MSc 12FT

Brunel U
Contact Dr Vlatka Hlupic 01895 274000 ext 2231
Information Systems: MSc 12FT 26PT. Diploma 12FT 26PT
Software Engineering: MSc 12FT 24PT. Diploma 12FT 24PT

Buckingham U
Contact Mrs Cherry McInnes 01280 814080
Advanced Computing: MSc 12FT January
Business Computing: Diploma MSc 12FT
Computing in Management: MSc 12FT January
Postgraduate Computer Conversion Course: MSc 12FT

Canterbury Christ Church College (Kent U)
Information Systems in a European Context: MSc 12FT. Diploma 24PT; L Symonds 01227 782492

Central England U in Birmingham
Distributed Systems Design: MSc 36PT, Diploma 24PT, Certificate 12PT; Dr David Etheridge 0121 331 5706

Central Lancashire U
PC Interfacing and Software Applications: MSc 12FT, Diploma 6FT; Student Recruitment 01772 201 201

City U
Computer Science: MSc 12FT 36PT, Diploma 24PT 12FT: Computer Science Courses Officer 0171 477 8442/3

Coventry U
Contact Mr R Cook 01203 838677
Software Development: Dip 10FT 20PT, MSc 20FT 20PT
Software Engineering: MSc 20FT 20PT, Diploma 10FT 10PT

Cranfield: Cranfield Campus
Contact Admissions 01234 754171
Artificial Intelligence: MSc 12FT
Software Techniques for Computer-Aided Engineering: MSc 12FT 24PT
Software Techniques for Digital Signal and Image Processing: MSc 12FT 24PT

De Montfort U
Computer Studies: MSc 12FT 24-36PT (by independent study); Alison Cork 0116 257 7624
Computing: MSc 12FT 24-48PT: B Patel 0116 257 7456
Computing Systems: MSc 12FT 24-48PT: Dr G Clapworthy 01908 834949
Human-Computer Systems: MSc 12FT 24-48PT: B Patel 0116 257 7456

Dundee U
Contact Mrs E D Ross 01382 344487
Computer Science: Diploma 9FT
Computer Science: MSc 12FT

Durham U
Foundations of Computer-Supported Learning: Advanced Diploma 12FT up to 48PT, MSc 12FT up to 48PT: Dr C Crook 0191 374 2606

East Anglia U
Contact Prof Vic Rayward-Smith 01603 592850
Computing Science: MSc 12FT 24PT, PGDip 12FT
Information Systems: MSc 12FT

East London U
Distributed Information Systems: MSc 12FT 24PT: Freda Stoneham 0181 849 3456

Edinburgh U
Computer Science: MSc 12FT 36PT, Diploma 12FT 36PT; Dr D J Rees 0131 650 5182/5132

Essex U
Computer Science: MSc 12FT 24PT; Postgraduate Degrees Officer 01206 872256
Computer Science (Artificial Intelligence): MSc 12FT 24PT; Postgraduate Degrees Officer 01206 872256
Computer Science (Cognitive Science): MSc 12FT 24PT; Postgraduate Degrees Officer 01206 872256
Computer Science (Software Engineering): MSc 12FT 24PT; Postgraduate Degrees Officer 01206872256
Computer Studies: MSc 12FT 24PT; Postgraduate Degrees Officer 01206 872256
Computing: Diploma 9FT; Postgraduate Degrees Officer 01206 872256
Intelligent Knowledge-Based Systems: MSc 12FT 24PT; Postgraduate Degrees Officer 01206 872256
Systems Architecture: MSc 12FT; Postgraduate Degrees Officer 01206 872256

Exeter U
Contact Dr M Yazdani 01392 264053
Computer Science (Artificial Intelligence): MSc 12FT 24PT
Computer Science (New Generation Computing): MSc 12FT 24PT

Glamorgan U
Computer Studies: MSc 36PT. PG Dip 24PT, PG Cert 12PT; Course Vacancy Line 01443 482225

Glasgow U
Contact Postgrad. Admissions Tutor (Comp Sci.) 0141 339 8855 ext 6048
Advanced Information Systems: MSc 12FT
Information Technology (Computational Physics): Diploma 9FT 21PT, MSc 12FT 24PT
Information Technology (Software and Systems): Diploma 9FT 21PT, MSc 12FT 24PT

Glasgow Caledonian U
Computer Studies: MSc 12FT, Diploma 12FT; David Moore 0141 331 3277
Informatics: MSc 12PT, PG Dip 8FT, PG Cert 8FT; The Administrator 0141 331 3279
Information Management Systems: Diploma 7FT, MSc 12FT; David Moore 0141 331 3277

Greenwich U
Contact Course Enquiries 0181 316 8590
Advanced Instrumentation and Control: MSc 12FT 24PT, PG Dip 12FT 24PT
Distributed Computing Systems: MSc 12FT 24PT, PG Dip 12FT 24PT
Information Systems Engineering: MSc 12FT 24PT, PG Dip 12FT 24PT
Scientific Engineering Software Technology: MSc 12FT 24PT
Software Technology: MSc 12FT 24PT. PG Dip 12FT 24PT

Heriot-Watt U
Human-Computer Interaction: MSc 12FT Dip 9FT; Dr Taylor 0131 451 3427
Knowledge-Based Systems: MSc 12FT. Diploma 12FT: Dr Paton 0131 451 3428

Hertfordshire U
Contact Sarah Lumdin 01707 284330
Computer Science: MSc 12FT 36PT. Diploma 24PT
Information Management: MSc

Huddersfield U
Computer Integrated Manufacturing and its Management: MSc 13FT: Dr A Starr 01484 422288 ext 2205/2157
Information Systems: MSc 12FT 36PT: Mr G Mansell 01484 422288 ext 2098
Software Development: MSc 12FT 36PT: Mr R Simpson 01484 422288 ext 2211

Hull U
Computer Graphics and Virtual Environments: MSc 12FT: Dr J D Rayner 01482 465622

Keele U
Data Engineering: MSc 12FT. Diploma 12FT: Mr M Brough 01782 621111 ext 3414
Machine Perception and Neurocomputing: MSc 12FT. Diploma 12FT: Prof W A Ainsworth 01782 621111 ext 3056

Kent U
Contact Mary Hughes 01227 764000
Computer Science Conversion: MSc 12FT
Distributed Systems: MSc 12FT

King Alfred's C.H.E. (Southampton U)
Computing (prov): MSc 12FT 24PT. Dip 12FT 24PT: Admissions Officer 01962 841515

Leeds U
Contact Dr K Brodlie 0113 2335484
Artificial Intelligence and Computer Science: MSc 12FT 24PT
Information Systems: MSc 12FT 24PT
Vision, Visualisation, and Virtual Environments: MSc 12FT 24PT

Leeds Metropolitan U
Contact Course Enquiries Office 0113 2832600
Computer Communications and Networks: MSc 12FT 36PT. Diploma 12FT 24PT
Information Systems: MSc 12FT 36PT, Diploma 12FT 24PT
Software Engineering: MSc 12FT 36PT, Diploma 12FT 24PT

Liverpool U
Software Engineering: MSc 12FT; Mrs J Jones 0151 794 3670

London: Birkbeck College
Contact Assistant Registrar 0171 631 6390/6307
Computing Science: MSc 12FT 24PT
Database and Information Systems: MSc 12FT 24PT

London: Imperial College
Computing Science: MSc 12FT. Diploma(S) 12FT; Admissions Office 0171 589 5111

London: King's College
Advanced Computing: MSc 12FT 24PT; Ms Barbara Panayi 0171 873 2574

London: Queen Mary and Westfield College
Advanced Methods in Computer Science: Artificial Intelligence: MSc 12FT 24PT: Gill Carter 0171 975 5227
Advanced Methods in Computer Science: Distributed and Parallel Systems: MSc 12FT 24PT; Postgraduate Admissions Office 0171 975 5074
Advanced Methods in Computer Science: Formal Methods in Software Engineering: MSc 12FT 24PT; Postgraduate Admissions Office 0171 975 5074
Advanced Methods in Computer Science: Human-Computer Interaction: MSc 12FT 24PT: Gill Carter 0171 975 5227

London: Royal Holloway
Contact The Graduate School Office 01784 443350 direct line
Computational Intelligence: MSc 12FT 24PT
Dependable Computer Systems: MSc 12FT 24PT
Discrete Mathematics and Computing Applications: MSc 12FT 24PT
Information Security: MSc 12FT 24PT

London: University College
Computer Science: MSc 12FT; Admissions Enquiries 0171 380 7365

Loughborough U
Computing: MSc 12FT 24PT, Diploma 7FT 24PT: Dr A Benson 01509 222681
Interactive Computing System Design: MSc 12FT 24PT, Diploma 7FT 24PT; Dr J H Connolly 01509 222681

LSU C.H.E. (Southampton U)
Contact Dr Mike Wald 01703 228761
Computer Based Learning/Training: MSc 12FT 24PT, PG Dip 16PT
Health Informatics: MSc 24PT, PG Dip 16PT, DL

Luton U
Software Systems Development: MSc 12FT, PG Dip 36PT; Steve Kendall, Admissions Unit 01582 743255

Manchester Metropolitan U
Computing: MSc 12FT 24PT; A J Tyrrell 0161 247 1487

Manchester U
Advanced Computer Science: MSc 12FT 24PT; Dr M McGee Wood 0161 275 6181
Artificial Intelligence: MSc 12FT 24PT, Diploma 12FT 24PT; Dr M McGee Wood 0161 275 6181
Computational Methods in Medical Science: MSc 24PT; Dr V F Hillier 0161 275 5325
Computer Science: MSc 12FT; Postgraduate Secretary 0161 275 6181
Formal Methods: MSc 12FT 24PT, Diploma 12FT 24PT; Dr M McGee Wood 0161 275 6181
High-Performance Computing: MSc 12FT 24PT, Diploma 12FT 24PT; Dr M McGee Wood 0161 275 6181
Numerical Analysis and Computing: MSc 12FT (min) 24PT (min); Prof C T H Baker 0161 275 5897
System Design: MSc 12FT 24PT, Diploma 12FT 24PT

Middlesex U
Contact Admissions Enquiries 0181 362 5000
Applied Informatics: MSc 12FT 36PT
Computer Graphics: MSc 12FT 33PT
Interactive Computer Systems: MSc 12FT 36PT

Napier U
Large Software Systems Development: MSc 12FT, PG Dip 9FT; Dr W J Savage 0131 455 4665
Software Technology: MSc 12FT, Diploma 9FT; B Paechter / Dr J M Munoz 0131 455 4677/4661

Nene College
Contact The Academic Registrar 01604 735500
Office Systems and Data Communications: PG Dip 12FT
Office Systems and Data Communications (prov): MSc 12FT

Newcastle U
Computing Science: MSc 12FT 24PT, Diploma 9FT: Dr R P Hopkins 0191 222 6000
Computing Software and Systems Design: MSc 12FT 24PT; Prof S K Shrivastava 0191 222 6000

North London U
Computing: MSc 12FT 24PT, Diploma 12FT 24PT; Course Enquiries 0171 753 5066

Northumbria U
Computing: MSc 12FT 36PT, PG Dip 24PT, PG Cert 12PT; Department of Computing 0191 227 4750

Nottingham Trent U
Contact Sue Ward 0115 948 6586
Advanced Manufacturing Technology: Diploma 6FT 24PT
Computing for Geoscience: MSc 12FT
Real-Time Systems: MSc 12FT 24PT (max), Diploma 6FT
Software Engineering: MSc Modular
Vision and Image Processing: MSc

Open U
Computers for Commerce and Industry: MSc 36PT, Diploma 36PT: Sue Gill 01908 653043

Oxford Brookes U
Computing: MSc 12FT 36PT. Diploma 8FT 24PT: Dr S Stanczyk 01865 483669
Distributed Systems: MSc 12FT 36PT, Diploma 8FT 24PT; Dr D H Shrimpton 01865 483674
Knowledge-Based Systems: MSc 12FT 36PT, Diploma 8FT 24PT; Mr C Dobbyn 01865 483673

Plymouth U
Contact School of Computing 01752 232541
Data Communications and Network Management: MSc
Intelligent Systems: MSc 12FT

Portsmouth U
Information Systems: MSc 12FT 36PT: Avrile Beswick 01705 844043

Robert Gordon U
Information Systems: MSc 12FT PT, PG Dip 8FT PT; Admissions Office 01224 262105

Salford U
Computer Science: MSc 12-24FT. Diploma 12FT; Dr D Evans 0161 745 5000 ext 4527

Sheffield Hallam U
Computer Studies: MSc 12FT 36PT, Diploma 24PT 24DL, PG Cert 12PT; Kate Butler 0114 2532170
Computing Mathematics: MSc 30FT, PG Cert 12FT, PG Dip 24FT; Dr Mike Thomlinson 0114 2533481
Enterprise Network Management: MSc 24DL, PG Dip 24DL, PG Cert 12DL; Sean Cavan 0114 253 3172

Sheffield U
Advanced Software Engineering: MSc 12FT; Dr M Fairtlough 0114 282 5590
Cognitive Systems: MSc 12FT; Mr Minors 0114 282 5590
Software Engineering and European Business Technology: MSc 12FT; Dr G Brown 0114 282 5590
Software Systems Technology: MSc 12FT; Dr S D North 0114 282 5590
Software Systems and Parallel Processing: MSc 12FT; Dr J Kerridge 0114 282 5590
Telematics: MSc 12FT; Dr C Smythe 0114 282 5590
Textual Computing: MSc 12FT; Prof Wilks 0114 282 5590

South Bank U
Computer Science: MSc 12FT 24PT; SCISM 0171 815 7443
Computer and Mathematical Modelling: MSc 12FT 24PT, PG Dip 12FT 24PT; EEIE 0171 815 7529
Real Time Systems: MSc 12FT 24PT, Diploma 12FT 24PT; EEIE 0171 815 7529

Southampton Institute (Nottingham Trent U)
Computing (Software Engineering): MSc 36PT; Divisional Secretary 01703 319203

Staffordshire U
Contact Postgraduate Admissions 01782 744531
Artificial Intelligence: MSc 12FT
Computing Science (Conversion): MSc 20FT 36PT, Diploma 16FT 30PT, Cert 5FT 18PT
Distributed Systems: MSc 12FT
Graphics and Image Processing: MSc 12FT
Human-Computer Interaction: MSc 12FT
Information Technology for Strategic Management: MSc 12FT
Object Technology: MSc 12FT
Systems Design: MSc 12FT

Stirling U
Neural Computation: MSc 12FT, Diploma 9FT: School of Human Sciences 01786 467595
Software Engineering: MSc 18FT; School of Management 01786 467276
Software Technology: MSc 12FT, Diploma 12FT; School of Management 01786 467276
Contact Admissions Office 0191 515 2082
Computer-Based Modelling and Simulation: MSc 12FT, Diploma 12FT, MSc 27PT
Knowledge Engineering: MSc 12FT, Diploma 12FT, Certificate 12FT
Scientific Computing: MSc 12FT, Diploma 12FT

Sussex U
Contact Postgraduate Admissions 01273 678412
Human-Centred Computer Systems: MSc 12FT 24PT
Knowledge-Based Systems: MSc 12FT
Programming Languages: MSc 12FT

Teesside U
Software Engineering: MSc 12FT, PG Dip 8FT, PG Cert 4FT: Mrs H J Reynolds 01642 342611

Thames Valley U
Information Systems: Diploma 24PT, MSc 24PT: The Guidance Shop 0181 579 5000/ 01753 534585

Ulster U
Contact Mrs E Wilson 01265 44141
Computing: Diploma 12FT 24PT
Computing and Information Systems: MSc 12FT 24PT, Diploma 12FT 24PT

UMIST
Information System Engineering: MSc 12FT 24PT, Diploma 9FT 21PT; Mrs Christine Twigg 0161 200 3370

UWE, Bristol
Information Systems: MSc 24PT January; Ann Eighteen 0117 9656261
Parallel Computer Systems: MSc 12FT January, Diploma 8FT January; Fay Coleman 0117 9656261
Software Engineering: MSc 12-72PT; Ann Eighteen 0117 9656261

Wales: Aberystwyth
Computer Science: MSc 12FT, Diploma 10FT; Mrs Gina Preston 01970 623111/622020

Wales: Swansea
Computer Science: MSc 12FT 36PT, Diploma 8FT 20PT; A J Morgan 01792 295132

Warwick U
Parallel Computers and Computation: MSc 12FT 24PT; Mrs A Warr 01203 523668

Westminster U
Contact Angela Cutbill 0171 911 5000
Cognitive Science and Intelligent Systems: MSc 12FT 24PT
Computer Engineering: MSc 12FT 24PT
Computer Networks and Communications: MSc 12FT 24PT
Computers and Instrumentation: MSc 12FT 24PT
Database Systems: MSc 12FT 24PT
Decision Sciences: MSc 12FT 24PT
Electronics and Computer Technology: Diploma 12FT
Information Systems Design: MSc 12FT 24PT
Knowledge Engineering: MSc 12FT 24PT, Diploma 12FT 24PT
Parallel and Distributed Computing: MSc 12FT 24/36/48PT
Software Engineering: MSc 12FT 24-48PT, Diploma 12FT 24-48PT

Wolverhampton U
Computing for Women Returners: MSc 12FT, Diploma 9FT; Mrs D Thompson 01902 322191
Information Systems Engineering: MSc 12FT 36PT, Diploma 9FT 24PT; J Traxler 01902 322398

York U
Safety Critical Systems: MSc 12FT 36PT; John Heath 01904 432143

Environmental Studies

Aberdeen U
Contact Mrs Lorna Ingram 01224 273506
Environmental Remote Sensing: MSc 12FT, Diploma 9FT
Environmental Science: MSc 12FT, Diploma 9FT

Abertay U
Waste Water and Environmental Management: MSc 12FT 24PT; Chris Jefferies 01382 308131

Anglia P.U.
Environmental Analysis and Assessment: MSc 27-30PT January, PG Dip 7FT; Elaine Hawes 01245 493131

Birmingham U
Contact Mrs J Higgitt 0121 414 7180/6375
Environmental Health: MSc 24FT
Public and Environmental Health Sciences: MSc 24PT

Bournemouth U
Contact Admissions Officer 01202 524111
Coastal Zone Management: MSc 12FT, Diploma 9FT
Water Environment: MSc 12FT, Diploma 9FT

Bradford U
Business Strategy and Environmental Management: MSc 12FT 24PT, Diploma 9FT 20PT; Dr P Hopkinson 01274 384215
Environmental Monitoring: MSc 12FT 36PT, Diploma 9FT 18PT; Mr E Terzis 01274 384215

Brighton U
Environmental Assessment: MSc 24PT, PGDip 24PT; Enquiry Team 01273 600900

Bristol U
Ecology and Management of the Natural Environment: MSc 24PT, Dip 24PT; Dr D J Hill 0117 9289000

Brunel U
Environment Management: MSc 24PT, Diploma 24PT; Dr S M Grimes 01895 274000 ext 2190
Environmental Pollution Science: MSc 12FT 24PT; Dr S M Grimes / Mrs R James 01895 274000 ext 2489
Environmental Science with Legislation and Management: MSc 12FT 24PT; Dr S M Grimes / Mrs R James 01895 274000 ext 2489

Central England U in Birmingham
Environmental Management: MA 12FT 24PT, Diploma 9FT 18PT; Sue Cramp 0121 331 6269
Environmental Pollution Control: Diploma 6FT, MSc 12FT 24PT; Programme Office 0121 331 5400

Central Lancashire U
Contact Student Recruitment 01772 201 201
Environmental Toxicology: MSc 24PT
Waste Management: Diploma 12FT 24PT, MSc 12FT 24PT

Cheltenham and Gloucester C.H.E.
Environmental Investigations: MSc 12FT 24PT, MRes 12FT; Dr Caroline Mills 01242 532952
Environmental Policy and Management: MA 12FT 24PT, Diploma 8FT 20PT, Certificate 4FT 16PT; Carolyn Roberts 01242 543370

Coventry U
Environmental Monitoring and Assessment: MSc 15FT 24-36PT, Diploma 15FT 18-24PT; Mrs S Bhandari 01203 838399

Cranfield: Cranfield Campus
Environmental Diagnostics: MSc 12FT 24PT, Diploma 9FT 24PT; Admissions 01234 754171

Cranfield: Silsoe
Contact Mrs M Merredy 01525 863318
Environmental Monitoring: MSc 12FT
Environmental Water Management: MSc 12FT
Soil Conservation: MSc 12FT

De Montfort U
Conservation Science (prov): MSc FT PT; Dr A Kearns 0116 257 7120
Environmental Studies: MSc 12FT 24-36PT (by independent study); Alison Cork 0116 257 7624

Durham U
Environmental Management Practice: MA 24PT, Diploma 12PT January 95; Dr J Senior 0191 374 3725

East Anglia U
Contact Mrs Elly Reynolds 01603 592544
Atmospheric Sciences: MSc 12FT
Climate Change: MSc 12FT
Environmental Impact Assessment and Auditing: MSc 10 FT
Environmental Sciences: MSc 12FT, Diploma 9FT

East London U
Environmental Sciences: MSc 12FT; Stratford Campus Registrar 0181 590 7722

Edinburgh U
Ecological Economics: MSc 12FT, Diploma 9FT; Prof J B Dent 0131 667 1041 ext 4111
Education in Forestry and Natural Resources: MSc 12FT, Diploma 9FT; Mr G Gibson 0131 650 5419
Human Ecology: MSc 12FT, Diploma 9FT; Mr A McIntosh 0131 650 3470

Glamorgan U
Environmental Conservation Management: MSc 12FT 24PT, PG Dip 8FT 16PT

Glasgow Caledonian U
Energy and Environmental Systems: MSc 12FT 24PT, Diploma 6FT 12PT; Stas Burek 0141 331 3533

Greenwich U
Contact Course Enquiries 0181 316 8590
Coastal Zone Management: MSc 12FT 24PT
Environmental Assessment: MSc 12FT 24PT
Environmental Conservation (prov): MSc 12FT 24PT January
Environmental Health: MSc 24PT January 95
Environmental Modelling: MSc 12FT 24PT
Environmental Risk Assessment: MSc 12FT 24PT
Natural Resource Management: MSc 12FT 24PT
Public Health (prov): MA 12FT 24PT

Gwent C.H.E. (U of Wales)
Environmental Management: Diploma 24PT; Ms G K Nothey 01633 432074

Heriot-Watt U
Contact Richard McGoukin 0131 449 5111
Environmental Pollution Control Management: MSc 12FT, Diploma 9FT
Marine Resource Development and Protection: MSc 12FT 24PT
Marine Resource Management: MSc 12FT

Hertfordshire University
Contact Tracey Hart 01707 284503
Conservation and Recreation Management: MSc 12FT 24PT, PG Dip 9FT 21PT
Environmental Chemistry: MSc 12FT 24PT, PG Dip 9FT 21PT
Environmental Management of Rural Areas (European MSc): MSc
Environmental Planning and Management: MSc 12FT 24PT, PG Dip 9FT 21PT
Environmental Protection and Monitoring: MSc 12FT 24PT, PG Dip 9FT 21PT

Huddersfield U
Environmental Sustainability: MSc FT PT; Dr P A Wood 01484 422288 ext 2384

Hull U
Contact Postgraduate Office 01482 465568
Environmental Analysis and Dynamics: MSc 12FT 24PT, Diploma 9FT 21PT
Environmental Policy and Management: MSc 12FT 15-36PT, Diploma 9FT 15-36PT
Estuarine and Coastal Science and Management: MSc 12FT 24PT, Diploma 7FT 19PT
Global Bio-Diversity (Monitoring and Conservation): MSc FT PT

Keele U
Environmental Law and Policy: Diploma 9FT 21PT, MA 12FT 24PT; Dr J Proops 01782 621111 ext 3103

Kent U
Contact Mary Hughes 01227 764000
Conservation Biology: MSc 12FT
Conservation Studies: MSc 12FT 24PT

Lancaster U
Environmental and Ecological Science: MSc 12FT, Diploma 9FT; Miss S Arkwright 01524 592033

Leeds U
Environmental Pollution Control: MSc 12FT; Dr A G Clarke 0113 2332510

Leeds Metropolitan U
Contact Course Enquiries Office 0113 2832600
Environmental Acoustics: MSc 12FT 24PT, Diploma 12FT 24PT
Professional Studies-Environmental Health and Safety: MSc 12FT 24PT, Diploma 12FT 24-60PT September/ February

Leicester U
Natural Resource Management: MSc 12FT, Diploma 9FT; Course Director 0116 2523344

Liverpool U
Environmental Assessment: MSc 24PT, Diploma 24PT; Dr D Atkinson 0151 794 5027
Recent Environmental Change: MSc 12FT, Diploma 12FT; Dr A Plater 0151 794 2843

Liverpool I.H.E. (Liverpool U)
Contact Dr Derek Bell 0151 737 3445
Ecology for Environmental Management: MSc 12FT 24PT
Geography and Environmental Studies: MEd 12FT 12-72PT, BPhil 12FT 12-72PT, Diploma 12FT 12-72PT

London: Birkbeck College
Environmental Management: MSc 24PT; Environmental Science Desk 0171 631 6654
Environmental Science: MSc 24PT; Assistant Registrar 0171 631 6390/6307

London: Imperial College
Contact Admissions Office 0171 589 5111
Environmental Analysis and Assessment: MSc 24-36PT
Environmental Technology: MSc 12FT 24PT, Diploma(S) 12FT 24PT

London: Institute of Latin American Studies
Environmental Issues in Latin America: MSc 12FT 24PT; Mr A Davis 0171 387 5671

London: King's College
Aquatic Resource Management: MSc 12FT; Postgraduate Admissions Office 0171 872 3393

London: London School of Economics
Environmental Assessment and Evaluation: MSc 12FT 24PT; Graduate Admissions Office 0171 955 7159/ 7160

London: Royal Holloway
Environmental Analysis and Assessment: MSc 12FT 24-36PT; David Atkins, Assist Registrar (Admiss) 0171 589 5111

London: University College
Contact Admissions Enquiries 0171 380 7365
Advanced Architectural Studies: MSc 12FT 24PT
Environmental Design and Engineering: MSc 12FT 24PT
Facility and Environment Management: MSc 12FT 24PT
Light and Lighting: MSc 12FT 24PT
Urban Design: MSc 12FT 24PT
Virtual Environments: MSc 12FT 24PT

London: Wye College
Contact Ms Sarah Barker 01233 812401
Applied Environmental Science: MSc 12FT
Environmental Management: MSc 24DL (min), Diploma(S) 12DL (min)
Rural Resources and Environmental Policy: MSc 12FT

Loughborough U
Hazardous Waste Management: MSc 24PT, Diploma 24PT; J Petts 01509 222156
Occupational Health and Safety Management: MSc 24PT, Diploma 24PT; Dr D G Wenham 01509 222159

Luton U
Contact Steve Kendall, Admissions Unit 01582 743255
Ecotoxicology and Pollution Monitoring: MSc 12FT, Diploma 6FT
Waste Management: MSc 12FT (Dissertation), PG Dip 12FT

Manchester Metropolitan U
Contact Dr M K Dobson 0161 247 1587
Applied Environmental Science: MSc 12FT 20PT, Diploma 9FT 20PT
Countryside Management: MSc 12FT 30PT, Diploma 9FT 20PT
Countryside Management: MSc 12FT 30PT, Diploma 9FT 20PT
Geographical Information Systems: MSc 30PT, Diploma 18PT

Manchester U
Pollution and Environmental Control: MSc 12FT, Diploma 12FT; Dr E G Bellinger 0161 275 5806

Middlesex U
Contact Admissions Enquiries 0181 362 5000
Conservation Policy: MA 24PT, PG Dip 17PT, PG Cert 17PT
Water Pollution Control: MSc 12FT 24PT

Napier U
Biology of Water Resource Management: MSc 12FT, Diploma 9FT; Prof Paul Read 0131 455 2625
Environmental Technology: MSc 12FT, Diploma 9FT; Dr T Muneer 0131 455 2541

Nene College
Environmental Management (prov): MSc 12FT 24PT; The Academic Registrar 01604 735500

Newcastle U
Occupational Hygiene: MSc 12FT; Medical School Postgraduate Office 0191 222 6000

Northumbria U
Environmental Monitoring and Control: PG Dip 12FT 36PT; Dr W R Tomlinson 0191 227 4585

Nottingham U
Environmental Science: Measurement Analysis and Modelling: MSc 12FT, Diploma 12FT; Mrs P Kerr 0115 9516349

Nottingham Trent U
Integrated Environmental Control: MSc 12FT 24PT; Sue Ward 0115 948 6586

Oxford Brookes U
Environmental Assessment and Management: MSc 12FT 24PT, Diploma 9FT 21PT; Mrs R Sallis 01865 483450

Paisley U
Contact Dr David Telford 0141 848 3146
Environmental Management: MSc 12FT 36PT, Diploma 9FT 30PT
Safety Management: MSc 12FT 36PT, Diploma 9FT 30PT
Waste Management: MSc 12FT 36PT, Diploma 9FT 30PT

Plymouth U
Applied Marine Science: MSc 12FT, MSc PT by arrangement; Faculty of Science 01752 2322403

Portsmouth U
Coastal and Marine Resource Management: MSc 12FT 24PT, Diploma 12FT 24PT, Certificate 12FT 24PT; Pat Curtis 01705 843149

Reading U
Contact Dorothy Buss 01734 875123/ 316585
Ecotoxicology of Natural Populations: MSc 12FT 24PT, Diploma 12FT 24PT
Environmental Planning: MPhil 24FT 36PT, Diploma 21FT 33PT
Pedology, Soil Survey, and Land Evaluation: MSc 12FT 24PT
Soils and Environmental Pollution: MSc 12FT 24PT
Weather, Climate, and Modelling: MSc 12FT 24PT, Diploma 12FT 24PT

Salford U
Environmental Resources: MSc 12FT 24PT, Diploma 12FT 24PT October/January; Dr M Pugh-Thomas 0161 745 5221

Scottish Agricultural College
Ecological Design (Aberdeen U): MSc 12FT, Diploma 9FT; Dr M Ford 01224 713741
Environmental Protection and Management (Edinburgh U): MSc 12FT, Diploma 9FT; Dr K A Smith 0131 667 1041

Sheffield Hallam U
Environmental Analytical Science: MSc 12FT 36PT, Dip 24PT, Cert 12PT; Ms Sue Peacock 0114 253 3086
Environmental Property Management for Business: MSc 12FT 24PT, Diploma 9FT 18PT; School Office 0114 253 3525

South Bank U
Environmental Acoustics: MSc 12FT 24PT, Diploma 12FT 24PT; ESD 0171 815 7600
Environmental Monitoring and Assessment: MSc 12FT 24PT, Diploma 12FT 24PT; SAS 0171 815 7900
Environmental and Development Education: MSc 12FT 18PT, Diploma 9FT 12PT; LPSS 0171 815 5092

Southampton Institute (Nottingham Trent U)
Maritime Studies: MSc 12FT 24PT; Divisional Secretary 01489 576298

Southampton U
Integrated Environmental Studies: MSc 12FT 60PT max; Mrs J Graham 01703 593132

St Mary's U College Strawberry Hill (Surrey U)
Environmental Management: Diploma 9FT 21PT, MSc 12FT 24PT; Ian Cumbus 0181 829 0051

Stirling U
Environmental Management: MSc 12FT 24PT, Diploma 9FT 18PT; Department of Environmental Science 01786 467840

Strathclyde U
Environmental Health: MSc 24PT, PG Dip 12FT; Mr C F Clark 0141 552 4400 ext 3210
Environmental Science: MSc 12FT 36PT, Diploma 12FT; Dr C M Davidson 0141 552 4400 ext 2134
Environmental Studies: Diploma 9FT 20PT, MEnvS 12FT 24PT; Ms Jean Forbes 0141 552 4400 ext 4078

Surrey U
Environmental Management and Health: MSc 24-60PT Anytime, Adv Diploma 18-48PT Anytime, Adv Certificate 12-48PT Anytime; Diana Morrison 01483 509256

Ulster U
Contact Mrs E Wilson 01265 44141
Environmental Health and Safety: MSc 36PT, Diploma 24PT, Certificate 12PT
Environmental Management: MSc 12FT 24PT, Diploma 9FT 18PT

University College Salford (Salford U)
Environmental Protection: PG Dip 24PT, MSc 12FT; John Shenton / Ken Hodgson 0161 745 3285

UWE, Bristol
Environmental Health: MSc, Diploma 20FT; Peter Scull 0117 9656261
Environmental Policy and Management: MA 30PT, Diploma 18PT; Dr Vincent Costello 0117 9656261

Wales: Aberystwyth
Contact Mrs Gina Preston 01970 623111/622020
Environmental Auditing: MSc 24DL, Diploma 18DL
Environmental Impact Assessment: MSc 12FT 24-36DL, Diploma 9FT 18DL
Environmental Rehabilitation: MSc 12FT 24-36DL, Diploma 9FT

Wales: Bangor
Ecology: Diploma 9FT, MSc 12FT; Dr J M Cherrett 01248 382297
Marine Environmental Protection: MSc 12FT 24PT; Dr J R Turner 01248 382881
Rural Resource Management: Diploma 9FT, MSc 12FT; Mrs A Louth 01248 382439
Water Resources: Diploma 9FT, MSc 12FT; Mrs A Louth 01248 382439

Wales: Swansea
Environmental Analysis and Health: MSc 12FT 24PT; A J Morgan 01792 295132

Warwick U
Contact Mrs S Taylorn 01203 524620
Analytical Biology: MSc 12FT 24PT, PGDip 9FT 24PT
Ecosystems Analysis and Resource Management: MSc 12FT

Westminster U
Water Pollution Control: MSc 24PT; Brian Stone 0171 911 5000

Wolverhampton U
Contact School of Applied Sciences 01902 321051
Environmental Science: MSc 12FT 24PT, Diploma 9FT 24PT
Environmental Technology: MSc 12FT 24PT, Diploma 9FT 24PT

York U
Environmental Economics and Environmental Management: Diploma 9FT, MSc 12FT; John Heath 01904 432143

Geology

Aberdeen U
Petroleum Geology: MSc 12FT; Mrs Lorna Ingram 01224 273506

Birmingham U
Applied Geophysics: MSc 12FT; Dr S Peacock 0121 414 6162/6375
Hydrogeology: MSc 12FT; Prof J W Lloyd 0121 414 6140/6375

Durham U
Engineering Geology: MSc 12FT 24PT; Mrs V Yorkston 0191 374 3923
Geophysics: MSc 12FT; Dr Goulty 0191 374 2513

East Anglia U
Hydrogeology: MSc 10FT; Mrs Elly Reynolds 01603 592544

Exeter U
Mining Geology: MSc 12FT; Mr R Hancock 01209 714866

Glasgow U
Geotechnical Engineering: MSc 12FT 24-36PT; Dr T G Davies 0141 339 8855

Greenwich U
Contact Course Enquiries 0181 316 8590
Petroleum Geology and Geophysics: MSc 12FT 24PT
Remote Sensing: MSc 12FT 24PT

Keele U
Computing in Earth Sciences: MSc 12FT, Diploma 9FT; Prof G D Williams 01782 621111 ext 3187

Kingston U
The Analysis of Geoscience Data: MSc 12FT 24PT, Diploma 12FT 24PT, Cert 12FT 24PT; Andy Swan 0181 547 2000 ext 2527

Leeds U
Engineering Geology: MSc 12-36PT; Miss L Enoch 0113 2335242
Exploration Geophysics: MSc 12FT; Miss L Enoch 0113 2335242
Geochemistry: MSc 12-24FT 24-36PT; Miss L Enoch 0113 2335242
Petroleum Geology: PG Dip 9FT; Dr R Collier 0113 2335211

Leicester U
Mineral Exploration and Mining Geology: MSc 12FT, Diploma 9FT; Course Secretary 0116 2523935

London: Birkbeck College
Sedimentology: MSc 24PT; Assistant Registrar 0171 631 6390/6307

London: Imperial College
Contact Admissions Office 0171 589 5111
Applied Structural Geology and Rock Mechanics: MSc 12FT 24PT
Engineering Geology: MSc 12FT 24-36PT
Engineering Rock Mechanics: MSc 12FT, Diploma(S) 12FT
Mineral Deposit Evaluation: MSc 12FT
Petroleum Geology: MSc 12FT, Diploma(S) 12FT
Petroleum Geoscience: MSc 12FT

London: Queen Mary and Westfield College
Contact Postgraduate Admissions Office 0171 975 5074
Geomaterials: MSc 12FT
Geomaterials: Diploma 9FT

London: Royal Holloway
Contact The Graduate School Office 01784 443350 direct line
Geology: Diploma(S) 12FT
Sedimentology and Stratigraphy: MSc 12FT
Tectonics: MSc 12FT

London: University College
Contact Admissions Enquiries 0171 380 7365
Hydrogeology and Groundwater Resources: MSc 12FT 24PT, Diploma(S) 12FT 24PT
Micropalaeontology: MSc 12FT, Diploma(S) 12FT

Manchester U
Applied Geology: Resources and Hazards: MSc 12FT 24PT, Diploma 9FT; Ms H Collier 0161 275 3804/3831

Newcastle U
Engineering Geology: MSc 12FT; C M Reeves 0191 222 6000
Environmental Biogeochemistry: MSc 12FT, Diploma 6FT; Dr A C Aplin 0191 222 6000
Petroleum Geochemistry: MSc 12FT, Diploma 6FT; P Farrimond 0191 222 6000

Oxford Brookes U
Contact Mrs F Banks 01865 483618
Petroleum Geology: MSc 12FT, Diploma 10FT
Petroleum Reservoir Engineering: MSc 12FT, Diploma 10FT

Reading U
Contact Dorothy Buss 01734 875123/ 316585
Hydrogeology and Groundwater Chemistry: MSc 12FT 24PT
Sedimentology and its Applications: MSc 12FT

Sheffield U
Palaeoanthropology: MSc 12FT 24PT; Dr A T Chamberlain 0114 282 6079

Southampton U
Micropalaeontology: MSc 12FT; Prof J W Murray 01703 592617
Oceanography: MSc 12FT (min), Diploma 12FT; Dr N C Wells 01703 592428

St Andrews U
Applied Environmental Geoscience: Diploma 9FT, MSc 12FT; Dave Roberts 01334 76161

Staffordshire U
Applied Geology: MSc 36PT, PG Dip 24PT, PG Cert 12PT

Strathclyde U
Geotechnical Engineering: MSc 12-21FT 24PT, Diploma 9FT 36PT; Dr M J Kenny 0141 552 4400 ext 3180

Surrey U
Geotechnical Engineering: MSc 24PT (min), Diploma 24PT (min), PG Diploma 12FT 24PT 24DL; Diana Morrison 01483 259256

Wales: Aberystwyth
Micropalaeontology: MSc 12-24FT; Mrs Gina Preston 01970 623111/622020

Wales: Bangor
Applied Oceanography: Diploma 6FT, MSc 12FT 24PT; Dr E D Barton 01248 382848
Marine Geotechnics: MSc 12FT; Dr A M Davis 01248 382845
Physical Oceanography: MSc 12FT 24PT, Diploma 6FT; Dr E D Barton 01248 382848

Wales: Cardiff
Applied Environmental Geology: MSc 20FT 5PT; Dr C Harris 01222 874830

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TIMES BOOKS, London

Capitalisation, week's change

TRADING PERIOD: Settlement takes place ten business days after the day of trade. Changes are calculated on the previous day's close, but adjustments are made when a stock is ex-dividend. Changes, yields and price/earnings ratios are based on middle prices.

BANKS

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
6,249.90	Abbey Nat	475	-8	4.7	9.6
1,899.80	Allied Irish	300	-3	4.6	8.7
3,088.70	Aus New Z	221	+6	5.9	7.1
11,200.80	Bank America†	3200	-106½	..	..
2,601.80	Bank Scotland†	222	-3½	3.3	9.8
11,053.20	Barclays	675	-20	3.9	7.3
1,578.40	Bk of Ireland†	353	-1	4.6	..
170.50	Cater Allen	523	-1	5.8	10.8
12,707.80	Citicorp	3287½	-87½	..	..
284.70	Close Bros	278	-1	3.6	12.6
4,938.80	Commerzbk	£151¼	-9¾	3.6	..
38,945.70	Dai Ichi Kan Y	1184¾	-56¾	0.5	..
15,323.40	Deutsche Bk	3221½	+28½	2.5	..
157.20	Espirito Santo	734¾	-69¾	11.1	..
41,832.00	Fuji Bank Y	1443¾	-80¾	0.4	..
224.00	Gerrard Nat	460	-1	6.5	13.3
330.20	Hambros	187	-28	5.1	19.6
6,994.30	HSBC	819	-35	4.1	11.7
14,435.00	HSBC HK	816	-28½	4.1	11.7
249.70	Irish Perm	328	+3	2.3	7.5
19.20	Joseph (L)	363	..	8.1	10.6
20.90	King Shaxson	130	+2	9.4	11.9
627.40	Kleinwort Ben	688	+8	3.9	12.3
8,281.50	Lloyds	645	-10	5.0	10.9
7,094.70	Nat Aust Bk	530	-4	6.7	8.8
8,702.90	Nat West	557	..	4.8	9.4
750.00	Ottoman Bank	3000	+575	5.3	4.2
24.80	Rea Bros	51	..	2.5	18.7
3,396.50	Royal Bk Scot†	428½	+15½	4.2	10.2
1,665.50	Schroders	1103	-32	1.5	15.7
393.80	Schroders N/V	895	-40	1.9	12.7
164.60	Singer & Fried	95	..	4.6	9.8
3,381.00	Stand Chart	350	+1	2.9	10.8
3,859.10	TSB	252	-8	4.5	10.8
24.70	Union	93	-5	4.0	..
1,684.10	Warburg SG†	753	-15	3.7	..
5,733.80	Wells Fargo	£111¾	-282½	2.6	..
4,074.80	Westpac	229½	-5½	2.4	..
20.80	Wintrust	245	+20	6.0	..

BREWERIES

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
49.40	Ascot Hldgs	179	+15	..	..
5,115.80	Bass†	584	+1	4.6	14.1
344.10	Boddington	283	+2	3.9	14.6
30.40	Burtonwood Brw	146	+3	4.4	12.2
35.20	Eldridge P 'A'	170	+7	3.2	20.4
1,706.00	Fosters Brewing	53	-2	5.1	14.0
78.10	Fuller Sm 'A'	383	..	2.6	15.8
1,004.80	Greenalls Grp†	480	+1	3.5	13.9
226.40	Greene King	534	+1	3.1	14.5
52.60	Hardy Hansn	363	+10	4.5	12.8
3.59	Heavitree	155	-5	3.6	11.0
99.10	Holt Jt	3198	-5	2.1	17.4
173.00	Mansfield	268	+2	2.2	16.5
271.80	Marston Thmp	302	-3	2.5	14.7
112.30	Morland†	517	+13½	2.7	15.2
8.85	Paramount	7½	..	4.1	17.7
59.40	Regent Inns	396	+3	1.9	22.6
4,986.50	SA Breweries†	1775	..	1.9	..
2,888.90	Scot & Newc▲	541	+6½	4.2	15.5
360.80	Vaux Group†	257	+10	4.8	14.5
191.80	Wetherspoon JD	527	..	1.7	24.4
2,841.60	Whitbread†	592	-1	4.3	15.4
353.60	Wolvrhmptn D†	531	+8½	3.3	13.7
95.60	Yates Bros	244	-1	1.9	19.2
13.00	Young 'A'†	449	-2½	4.2	..

DISTRIBUTORS

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
30.60	AB Lelo	113	-2	4.6	12.6
23.10	Amari & Horsey	538	-2	3.6	6.7
7.65	Alexanders	19	..	6.6	9.1
71.80	Appleyard	108	..	5.7	13.2
9.65	Abs Br Eng	3½	..	1.7	28.8
156.40	BSS Group	593	-1	3.8	20.9
8.73	Beaving Powel	19	..	6.8	9.4
1.21	Bogod 'A'	25	..	8.5	10.5
185.00	Brammer†	412	+18	4.0	19.6
4.54	Bridgend Gp	18½	-½	1.5	..
20.20	BM Fisings	85	..	4.4	13.1
13.60	Brown & Tawse	442	..	..	..
40.10	Bunzl	38	..	8.3	..
7.58	Caffyns	236	-39	5.4	..
10.18	Central Mtr	74	..	4.8	40.3
20.20	Cook (DC)	47	..	8.1	14.4
471.70	Cowie	293	+10	3.9	12.6
36.90	Dag Motors	152½	..	5.7	13.4
24.60	Dennis B	558	..	1.5	13.8
277.80	Diploma†	322	..	3.5	16.3
1,263.60	Electrocompnts	600	+13	2.4	21.6
46.20	Electro Hous	181	+1	2.5	15.2
224.00	Ellis & Everard	268	-5	3.7	17.8
59.50	European Mtr	111	-3	5.1	12.1
133.10	Evans Halshaw	416	+2	4.5	12.3
868.40	Farnell Elect†	638	+6	1.8	..
8.53	Fife Indmar	56	+4	6.8	9.3
23.60	Gardiner	22	..	4.5	10.1
6.07	Glenchewton	24	-3½	..	28.5
8.02	Goodings	76	+1	3.7	14.4
30.00	Halkin Hldgs	87	..	1.9	12.8
17.70	Harris (Philip)	164	-1	5.2	14.4
217.10	Heatys	420	..	2.5	18.5
3.06	Holders Tech	98	..	7.7	29.4
48.20	ISA Int	123	+3	1.9	15.0
1,665.30	Inchcape†	316	+4	3.9	11.9
7.02	Jacks (Wm)	65	..	..	14.8
276.00	Kwik-Fit	168	+1	3.4	15.8
352.60	Lex Service	370	+27	4.7	19.7
33.50	Lookers	172	..	5.8	9.4
24.50	Malaya Grp	15	..	3.3	35.7
26.80	Middlesex Ct†	6½+	..	1.0	..
38.50	Mertaln	370	..	0.8	18.5
39.40	Normanbee	156	+25	1.0	85.8
13.10	PCT†	147	..	6.5	..
100.60	Pendragon	362	..	3.9	15.2
37.40	Perry Grp	148	..	6.3	..
32.20	Quicks Group†	140	+5	4.9	13.3
15.00	REA†	165	..	3.0	18.6
4.87	Reeco	3½	..	..	..
8.88	Ross Gp	6	..	4.2	..
43.50	SEP Indl	53½	-1½	2.8	17.8
18.10	TLS Range	53	-1	3.5	14.8
135.80	Time Products	258	-8	4.5	..
104.90	Vardy (Reg)	228	..	2.3	16.9
37.30	Wholesale Ftgs	283	-7	5.8	28.4
22.80	Wills Gp	13	..	4.8	7.3
61.70	Wilshaw	74½	+1	1.1	25.1
35.10	Wyko	71	+1	1.8	25.8
13.80	Young (H)†	83	+½	5.4	12.7

DIVERSIFIED INDUSTRIALS

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
141.60	Adwest	172	-3	5.6	14.8
452.60	Antofagasta†	286	-6	1.7	28.6
13,924.30	Broken Hill	764	-32	2.7	..
12,489.10	BTR	338	-3½	4.9	14.7
15,332.50	BAT†	497	+1	6.5	12.5
389.10	Berisford Intl	258	+12	6.2	68.3
148.50	Bibby (J)†	95	..	7.8	17.6
1,185.20	Brierley Inv	45½	..	8.9	2.7
792.10	Charter	820	+29	3.3	14.9
1,875.40	Coalson	247	..	6.5	15.6
11,743.40	Hanson†	226½	-2½	6.6	11.5
1,093.10	Harrisn Crsfld†	155	..	7.3	18.7
10,847.00	Hutch Whamp	294½	-28	2.8	..
3,527.50	Jardine Math	491	-38½	3.2	..
6.48	Jourdan (T)†	38	..	4.3	..
1,138.40	Lonrho	147	-2	3.8	26.9
83.40	McLeod Russell†	137	..	5.7	13.8
36.90	Porter Chadbn	39	+1	..	..
463.90	Powell Duffryn	541	-7	6.0	19.3
33.20	Ropner	142	..	7.3	12.3
1,220.50	Rolinsons	613	+3	3.9	20.7
33.40	Saltire	13½	..	..	4.3
3,614.20	Sime Darby†	171	-2	2.6	21.2
239.30	Staveley	288	+20	5.2	..
211.80	Suter†	181	-1	6.6	14.2
397.70	TT Group	252	+5	2.7	15.5
2,815.50	Tomkins	238	+4	4.1	15.3
611.60	Trafalgar H	47½	+½	2.6	..
57.40	Unidare	235	..	6.4	..
546.20	Wassall	283	+8	1.8	..
75.40	Whitecroft	171	+4	2.5	18.8
13.40	Widney	8½	-½	3.6	14.6
1,937.20	Williams Hldg	334	-2	5.1	15.9

ELECTRICITY

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
1,314.40	East Midlands	680	+40	5.1	28.8
1,660.00	Eastern Elec	684	+22	4.6	14.5
1,328.50	London Elec	672	+27	4.6	10.3
784.00	Manweb	698	+12	4.9	8.2
1,268.80	Midlands Elec	665	+21	4.7	10.2
5,704.70	National Power	481	+12	4.1	10.0
6,583.10	Nat Power P/P	207½	+8½	3.8	10.7
886.50	Northern Elec	804	+21	5.1	8.3
812.30	Nthn Ireland	372	-1	4.6	8.8
1,112.40	Norweb	714	+50	4.8	8.6
3,025.00	PowerGen†	500	+3½	3.8	10.1
	PowerGen (P/P)†	237	-9	3.5	11.5
1,274.20	Hydro-Elec	337	-1	4.9	10.5
2,763.30	Scottish Power	357	+5	5.2	8.6
975.10	Seeboard	569	+19	4.7	9.1
674.30	Sth Wales	688	+27	6.8	9.9
777.20	Sth Western	700	+28	4.5	8.5
1,834.60	Southern Elec	672	+25	4.5	8.8
1,316.70	Yorkshire Elec	718	+40	4.9	12.3

PHARMACEUTICALS

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
243.30	Brit Biotech	513	-18	..	..
13.70	Cantab Pharms	138	..	..	..
216.10	Celltech	304	-1	..	..
96.90	Chiroscience	141	+1	..	..
49.70	Cortecs	45	..	..	..
1,292.40	Fisons†	187	+15	2.9	..
25,578.90	Glaxo Wellcome	734	+13½	4.5	16.8
56.90	Grampian Hdg	125	..	5.8	16.0
709.50	Medeva	245	-½	1.7	16.8
1.46	Premier Health	..	..	..	..
35.40	Quality Care	260	-25	2.2	12.9
273.90	Scotia	420	-9	..	..
7,550.70	SmithKlineB†	544	+34	3.0	16.2
6,839.20	SmthKline Units	532	+38	3.1	15.3
5,340.00	Wellcome	1065	..	2.7	22.9
9,829.80	Zeneca	1039	+75	3.4	23.5

SPIRITS, WINES & CIDERS

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
5,572.90	Allied Domecq†	540	+11	5.5	12.7
253.90	Bulmer HP†	443	-2	3.1	23.9
61.70	Burn Stewart	104	-1	6.0	21.4
3,352.90	Grand Met	394	-2	4.5	18.1
9,473.80	Guinness	469	-9	3.7	14.7
491.10	Highland Dist†	352	+1	2.6	15.3
215.20	Invergordon	188	+3	0.3	45.6
89.70	Macon Mcm. A†	656	-11½	2.0	23.9
293.50	Matthew Clark	633	+9	3.7	25.1
8.72	Morgan W	80	-1	3.9	..
178.40	Taunton Cider	162½	-1½	5.2	12.6

TELECOMMUNICATIONS

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
24,735.20	BT	394½	-2½	5.8	15.2
8,893.80	Cable Wireless†	405	-10½	2.8	18.0
63.20	Securicor	1523	-20	0.3	34.8
781.00	Securicor 'A'	953	-37	0.4	22.0
924.10	Security Serv	843	-20	1.0	33.5
1,412.30	Telewest	166½	+2	..	..
6,810.00	Vodafone	223½	+22½	1.9	28.8

MEDIA

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
115.80	Abbott Mead†	362	-3	2.6	33.4
52.50	Accora	295	-2	3.0	18.5
229.80	Aegis Gp	28	-1	..	11.2
3.09	Allied Radio	2¼+	..	..	..
0.91	BBB Design	11	..	..	30.4
36.30	Barbour Index	215	..	5.0	19.2
4.53	Bristol	5	+½	..	..
4.97	Black (A&C)†	320	-8	5.5	11.3

OTHER FINANCIAL

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
16.00	BWD	83	..	6.5	8.0
39.60	Baltic Plc	131	-1	2.9	7.1
3.39	Berry Bch Nott	52	-½	6.2	18.0
93.20	Boiec Inv	157	-3	..	..

RETAILERS, FOOD

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
2,512.80	ASDA Group	86½	+½	2.6	19.9
3,754.90	Argyll	332	+1	4.5	14.1
306.60	Brake Bros†	600	+24	1.5	20.1
48.00	Budgen	29½	-½	4.2	17.9
4.42	Cullens	16½	+1½	3.8	22.5
1,031.60	Dairy Farm Intl	60	-2½	6.2	8.9
81.70	Fanpak	352	..	2.5	18.2
116.10	Fitzwilton	46	+1	6.3	19.4
307.30	Fyffes	109	..	1.7	16.6
119.20	Geest†	186	-2	6.1	18.3
132.00	Greggs	1158	+10	2.5	16.2
497.50	Iceland Group	180	-7	3.6	10.8
939.30	Kwik Save†	606	+9	4.0	11.4
13.60	Merchant Retail	16	-2	..	..
1,065.50	Morrison (W)	149	+2	1.0	15.0
231.00	Nurdin Peacock	181	-5	4.8	..
144.50	Park Foods	91	-32	4.0	..
1.55	Regina Hlth	1	..	..	..
8,253.60	Sainsbury (J)	456	+5	3.2	15.3
6,118.20	Tesco†	297	-1	3.6	14.6
106.10	Thorntons	165	..	3.8	13.5
178.90	Wiscons Photo	419	+5	4.6	15.0

RETAILERS, GENERAL

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
14.30	Alexon	25	-1	..	..
244.20	Allders	237	..	3.5	13.4
1,341.30	Argos Plc	444	+15	3.0	20.0
187.90	Ashley (Laura)	60	+4	..	..
62.50	Asprey	78	..	9.7	6.4
60.40	Austin Reed†	195½	-16½	3.8	11.3
57.80	Beattie (J) 'A'	140	-1	5.7	15.4
46.50	Bentalls	111	-1	2.4	11.4
41.80	Betterware†	40½+	½	8.0	..
11.80	Blacks Lsre	97	..	7.9	..
241.00	Body Shop†	127	+6	2.4	10.4
4,963.30	Boots	523	+7	4.2	11.9
10.30	Brown & Jackson	159	+22	..	..
334.30	Brown (N)†	229	+4½	2.6	18.8
1,250.70	Burton	88½	-1	2.9	22.9
15.30	Cantors	181	+2	5.0	14.4
208.90	Carpetright	272	-2	3.8	19.3
269.80	Chosen Int	180	-1	1.6	28.2
48.00	Church	450	-5	3.8	18.8
13.60	Clinton Cards	80	-1	7.4	7.8
20.20	City Consolt	106	-1	5.1	..
190.60	Courts Fenisn	778	..	1.0	39.6
3.09	Crown Eye	193	..	6.5	8.1
313.90	DFS Furniture	301	-3½	3.1	22.6
972.30	Dixons Grp	244	-1	3.4	25.9
6.66	Eye (Wimble)	580	..	4.0	25.3

TRANSPORT

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
6.23	Air London†	70	..	6.3	13.3
9,799.40	All Nippon Air	679½	-39½	0.3	..
1,083.60	Assoc Br Ports	285	..	2.4	18.1
4,975.50	BAA	484	-3	3.6	17.5
185.00	Bodgerton	146	+2	3.9	14.8
10.20	Berkeley Bus	33	-5	..	..
3,852.70	Br Airways	403	-5	5.0	10.0
49.80	Caesar Tran R	45	-1	..	..
23.70	Clarkson (H)†	106	..	3.4	..
78.40	Clydeport	190	..	2.3	17.5
26.70	Dart	171	-3	2.9	16.5
113.70	Eurodental	232	-1	4.6	18.1
782.10	Eurotunnel Uts	176	-8	..	..
15.70	Fisher (James)	65	..	1.9	13.6
158.00	Frans Ports	530	+2	2.3	17.6
104.30	GRT Bus	273	+1	2.0	..
78.80	Go-Ahead	216	-6	2.2	23.3
182.30	Goode Durrant	245	..	3.2	19.2
32.10	Imll Steam	107	+4	5.1	14.1
40.30	Jacobs	59	+3	2.1	..
55.60	Lon D'Seas Frts	76	..	1.2	..
356.20	Mersey Docks	432	-1	3.0	17.1
1,173.00	NFC†	169	-10	5.3	17.3
347.10	Ncn Express	970	-3	3.0	14.3
491.00	Ocean Group	318	-10	5.6	20.8
33.00	Ocean Wilson	83	+1	4.8	12.0
3,095.50	P & O Dfd	612	-18	6.2	16.3
127.90	P & O 5.5%†	102	..	3.6	..
73.10	Seacon	93	+1	3.2	42.1
321.80	Stagecoach	217	+2	2.4	21.6
509.00	TNT	89	-2	..	..
225.40	Tibbet & Britten	510	-25	4.0	12.0
350.00	TDG	237	..	5.0	15.9
25.00	Upland	103	-2	2.9	..
38.00	Utd Carriers	112	+1	5.5	21.2

WATER

Mkt cap (£million)	Company	Price (p)	Wkly +/-	Yld %	P/E
1,697.00	Anglian	540	+9	6.2	8.0
60.50	Mid Kent Hldgs	354	+10	4.5	..
2,184.40	North West†	582½	-2½	4.7	8.0
640.60	Northumbrian	923	+10	3.9	7.9
2,131.60	Severn Trent	584	+11	5.0	9.7
126.70	South Staffs	2165	+19	3.9	..
662.60	South West†	523	-4½	6.5	10.4
1,100.70	Southern	649	+13	4.6	9.4
1,996.00	Thames	499	-7	6.6	6.8
1,017.30	Welsh	693	+46	6.3	9.7
776.60	Wessex	303	..	5.0	7.9
1,208.10	Yorkshire	596	+11	6.0	9.3

Source: Fintel

© USM. # Price at suspension. † Ex dividend. ‡ Ex scrip. ▲ Ex rights issue. ▼ Ex all. § Ex capital distribution. * Figures in report awaited. .. No significant data. Companies in bold are constituents of the FTSE 100 index.

BRITISH FUNDS

SHORTS (under 5 years)

Stock Outstanding (£m)	Stock	Price £	Wkly +/-	Int yld %	Grs red yld
2,500	Exch 10½% 1995	100¾	-⅛	10.20	6.27
840	Treas 12¾% 1995	102⅝	-⅛	12.42	6.41
770	Treas 14% 1996	104⅝	-⅛	13.40	6.52
1,150	Treas 15¼% 1996	107⅛	-⅛	14.30	6.56
800	Exch 13¼% 1996	105⅝	-⅛	12.52	6.65
3,489	Conv 10% 1996	103⅝	-⅛	9.82	7.02
1,999	Treas 7% 1997	99⅝	-⅛	7.05	7.32
1,290	Treas 13¼% 1997	109⅛	-⅛	12.15	7.32
3,700	Exch 10½% 1997	105⅛	-⅛	9.99	7.22
6,550	Treas 8¾% 1997	102⅝	-⅛	8.52	7.41
830	Exch 15% 1997	116⅛	-⅛	12.92	7.47
3,550	Exch 9¾% 1998	105⅛	-⅛	9.27	7.55
8,150	Treas 7¼% 1998	99⅛	-⅛	7.30	7.58
1,200	Treas 6¾% 1995-98	97⅛	-⅛	6.89	7.59
970	Treas 14% 1998-01	116⅛	-1⅛	12.02	7.64
935	Treas 15½% 1998	122⅛	-1⅛	12.63	7.61
3,909	Exch 12% 1998	112⅛	-1⅛	10.64	7.72
1,908	Treas 9½% 1999	105⅛	-1⅛	9.00	7.75
3,050	Exch 12¼% 1999	114⅛	-1⅛	10.69	7.77
1,252	Treas 10½% 1999	109⅛	-1⅛	9.62	7.80
8,250	Treas 6% 1999	93⅛	-1⅛	6.39	7.81
1,708	Conv 10¼% 1999	109⅛	-1⅛	9.40	7.85

MEDIUMS (5 to 15 years)

Stock Outstanding (£m)	Stock	Price £	Wkly +/-	Int yld %	Grs red yld
5,358	Conv 9% 2000	104⅛	-1⅛	8.60	7.84
4,800	Treas 8% 2000	100⅛	-1⅛	7.94	7.85
3,171	Treas 13% 2000	121¼ †	-1⅛	10.73	7.91
4,406	Treas 10% 2001	109⅛	-1⅛	9.15	7.98
7,500	Treas 7% 2001	95⅛	-1⅛	7.35	8.01
6,527	Treas 9¾% 2002	109⅛	-2⅛	8.93	8.06
8,250	Treas 8% 2003	99⅛ †	-2⅛	8.04	8.10
2,503	Treas 10% 2003	111⅛	-2⅛	8.99	8.11
1,820	Treas 11½% 2001-04	115⅛	-2	9.94	8.07
543	Fund 3½% 1999-04	72⅛ †	-2⅛	4.86	7.92
3,412	Conv 9½% 2004	108⅛	-2⅛	8.74	8.17
8,500	Treas 6¾% 2004	90⅛	-2⅛	7.43	8.16

LONGS (over 15 years) and others

Stock Outstanding (£m)	Stock	Price £	Wkly +/-	Int yld %	Grs red yld
6,400	Treas 8½% 2005	102⅛	-2⅛	8.26	8.15
4,842	Conv 9½% 2005	109⅛	-2⅛	8.71	8.16
2,200	Treas 12½% 2003-05	125⅛	-2⅛	9.93	8.18
3,930	Treas 7¾% 2006	97⅛	-2⅛	7.98	8.13
2,000	Treas 8% 2002-06	99⅛	-1⅛	8.05	8.13
3,150	Treas 11¾% 2003-07	119⅛	-2⅛	9.88	8.20
7,397	Treas 8½% 2007	102⅛	-2⅛	8.25	8.13
1,250	Treas 13½% 2004-08	132⅛	-2⅛	10.18	8.21
5,621	Treas 9% 2008	107⅛	-2⅛	8.40	8.13
3,450	Treas 8% 2009	98⅛	-3⅛	8.09	8.14
4,750	Treas 6¼% 2010	83⅛	-2⅛	7.48	8.15
5,273	Conv 9% 2011	107⅛	-3⅛	8.37	8.16
5,351	Treas 9% 2012	107⅛	-3⅛	8.36	8.16
1,000	Treas 5½% 2008-12	77⅛	..	7.07	8.07
6,100	Treas 8% 2013	98⅛	-3⅛	8.11	8.15
600	Treas 7¾% 2012-15	97⅛	-2⅛	7.97	8.16
7,550	Treas 8¾% 2017	106⅛	-4	8.23	8.13
1,000	Exch 12% 2013-17	135⅛	-4⅛	8.86	8.24

UNDATED

Stock Outstanding (£m)	Stock	Price £	Wkly +/-	Int yld %	Grs red yld
1,909	War Ln 3½%	43⅛	-1⅛	8.03	..
475	Treas 2½%	30⅛	-⅛	8.15	..
359	Consols 4%	48⅛	-1⅛	8.28	..

INDEX-LINKED on projected inflation of:

Stock Outstanding (£m)	Stock	Price £	Wkly +/-	10%	5%
1,200	Treas IL 2% 1996	210	-⅛	1.55	3.48
800	Treas IL 4⅝% 1998	111	..	2.31	3.24
1,600	Treas IL 2½% 2001	174⅛	-1⅛	3.08	3.52
1,600	Treas IL 2½% 2003	170⅛	-1⅛	3.22	3.56
1,000	Treas IL 4⅜% 2004	113⅛	-1⅛	3.24	3.56
1,750	Treas IL 2% 2006	178⅛	-2⅛	3.34	3.59
1,300	Treas IL 2½% 2009	162	-2⅛	3.40	3.61
2,200	Treas IL 2½% 2011	187⅛	-2⅛	3.45	3.64
2,600	Treas IL 2½% 2013	137⅛	-2⅛	3.50	3.67
2,800	Treas IL 2½% 2016	147⅛	-2⅛	3.51	3.67
2,900	Treas IL 2½% 2020	141⅛	-3	3.56	3.69
2,550	Treas IL 2½% 2024	117⅛	-3⅛	3.56	3.69
1,300	Treas IL 4⅛% 2030	116⅛	-3⅛	3.57	3.70

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RESULTS AND STATISTICS

TODAY

Interims: Berisford Int, Burndene Investments, Coda Group, Kleen-e-ze Hldgs, New Zealand Inv Trust. **Finals:** Acal, Bakyrchik Gold, Capital Gearing Trust, Chamberlain Phipps, James Cropper, Ensor Hldgs, Eurodollar (Hldgs), Field Group, Hewitt Group, Portsmouth & Sunderland, Renold, Christian Salvesen, Tex Hldgs, Umeco, Unigate, Whitecroft. **Economic statistics:** Producer price index numbers (May), national food survey: household food consumption (Q1).

TOMORROW

Interims: Grainger Trust, Throgmorton Preferred Income. **Finals:** Azlan Group, Bertam Hldgs, British Land Company, British Thornton, BSS Group, B Elliott, Great Portland Estates, Guardian Media Group, Hadleigh Industries Group, CE Heath, IWP Int, Marshalls, Marston Thompson, Mountview Estates, Northern Foods, Oceana Consolidated, Quilgotti, Rowe Evans Investments, Severn Trent, Shoprite Group, Tring Int, Volex Group. **Economic statistics:** Company liquidity (Q1), capital issues and redemptions (May), construction — new orders (April).

WEDNESDAY

Interims: Goldsborough Healthcare, London Scottish Bank, NFC (Q2), Second Consolidated Trust. **Finals:** Amberley Group, Baring Emerging Europe, Bradford Property Trust, Bristol Water Hldgs, FKI, Fleming High Inc Inv Tst, Foreign & Colonial Smaller Companies, Hill Hire, Mansfield Brewery, Rainford Group, Scottish Hydro-Electric, Stirling Group, UK Land, West Trust. **Economic statistics:** Machine tools (April), labour market statistics: unemployment and unfilled vacancies (May — provisional); average earnings indices (April — provisional); employment, hours, productivity and unit wage costs; industrial disputes labour force survey quarterly bulletin (winter) (November-February), agricultural land prices in Wales (Q1), earnings and hours of agricultural and horticultural workers (Q1).

THURSDAY

Interims: Abtrust Lloyd's Ins, Alders, Alvis, Brooke Tool (Engineering), Denby Group, Eurocopy, Neotronics Technology, RCO Hldgs. **Finals:** Abtrust Lloyd's Ins Trust, CML Microsystems, Hartstone Group, London Merchant Secs, Moorgate Smaller Companies, Regalian Properties, Scapa Group, Smith New Court, South Wales Electricity, Southern Water, Sutcliffe Speakman, Tinsley Robor, Wagon Industrial. **Economic statistics:** Retail prices index (May), retail sales (May), motor vehicle production (May).

FRIDAY

Interims: David Lloyd Leisure, Reed Executive (Q). **Finals:** Cambridge Water, Dart Group, East Surrey Hldgs, James Latham. **Economic statistics:** Usable steel production (May), financial statistics (June), public sector borrowing requirement (May).

COMPANIES & COMMENTARIES

Milk firms have trouble delivering

THE shift away from doorstep milk deliveries as more people buy milk from supermarkets, and last year's deregulation of the milk industry, have taken a toll of Britain's two leading dairy groups reporting this week.

UNIGATE: Figures due today are expected to show that falling deliveries and the effects of deregulation have slowed the dairy, chilled foods and distribution group that is the country's second biggest milkman.

Tim Potter, of Smith New Court, has pencilled in final pre-tax profits before exceptional charges of £114 million (£113.5 million). However, Smith expects profits to be dented by a restructuring charge associated with the dairy business of about £55 million, bringing the bottom line down to nearer £59 million. Market forecasts before exceptionals range from £100 million to £114 million.

Smith predicts a dividend of 18.3p (17.3p), giving cover of 1.9 times earnings.

The embattled industry has seen doorstep deliveries of milk decline to account for about 50 per cent of its total market, while milk going to supermarkets now accounts for about 35 per cent of its sales.

Unigate, of which Ross Buckland is chief executive, suffered a 12 per cent decline in its doorstep business in the first half of the year and this worsened during the second half, running about 16 per cent lower in the third quarter. Supermarket sales rose by about 10 per cent, although margins here are lower. Unigate also had to absorb annual dairy costs that are thought to have risen by about £40 million, although milk prices were raised to principal customers.

Tim Potter said: "It has been a very difficult year for the dairy industry, and trading conditions still remain very difficult." Unigate's other businesses are likely to turn in a mixed performance. Improved juice profitability should help the St Ivel operation, while improved efficiencies should bolster Malton, in spite of rising pig prices, but American restaurants will see a further drop as they continue to suffer in a hugely competitive market.

The Wincanton distribution business is likely to be flat, with new contracts offsetting reduced margins. Attention will focus on Unigate's restructuring plans.

NORTHERN FOODS: Britain's biggest milk company, chaired by Chris Haskins, stunned the market in March when it accompanied news of 2,200 job losses with a hefty restructuring charge of £91 million. Final pre-tax profits, due tomorrow, are forecast to fall to £118 million (£157 million), according to Smith New Court. Forecasts after one-off costs range from £15 million to £27 million. A maintained dividend of 8.8p is expected.

The underlying trading picture is expected to show a fall in profitability in three of Northern's divisions, dairy, convenience foods and meat, while the grocery operation is expected to be the star performer.

CHRISTIAN SALVESEN: An improved business focus should help the international distribution and specialist hire group to lift final pre-tax profits, due today, to £76 million (£74 million), according to NatWest Securities. Market forecasts range from £75 million to £80 million. A dividend of 8.35p (8.1p) is forecast.

BRITISH LAND: Analysts expect the property giant to lift final pre-tax profits, due tomorrow, to between £54 million and £60 million (£53.9 million), as higher rental income from acquisitions is offset by increased financing costs. Net asset value is forecast at 419p to 430p, against 421p a share previously. A dividend of 8.1p (7.53p) is predicted.

SEVERN TRENT: NatWest Securities expects Severn Trent tomorrow to lift its dividend to 25p (22.75p) in spite of predicting a 13 per cent drop in final pre-tax profits to £245 million after £55 million of restructuring charges. Market forecasts for the water company range from £245 million to £305 million. A respectable utility performance is expected, while the Biffa waste services operations should see a healthy improvement.

FKI: The specialist engineering group should unveil a solid performance when it reports full-year results on Wednesday. Sandy Morris, of NatWest Securities, expects final pre-tax profits to advance to £69 million (£52.3 million), with a dividend of 4.5p (3.7p) predicted. Some company watchers are anxious about the US marketplace, but Mr Morris points out that FKI's order book is healthy and sales are strong.

SCOTTISH HYDRO-ELECTRIC: Wednesday's final pre-tax profits from the power generator are expected to dip to £162 million (£164 million), according to UBS, although an improved dividend of 14.1p (12.6p) is predicted. The group has previously complained of a lack of rainfall hindering generating capacity. The wet winter should not have produced a similar problem this time.

SOUTH WALES ELECTRICITY: Final pre-tax profits, due on Thursday, are expected to advance to £130 million (£104 million), according to UBS, with a bumper dividend of 31.4p (25.6p), up 22.6 per cent, expected. Market forecasts range from £117 million to £130 million.

SOUTHERN WATER: A continuing squeeze on costs should further help to boost operating margins, allowing a lift in final pre-tax profits, due on Thursday, of 7 per cent, to £137 million, according to NatWest Securities. Forecasts range from £137 million to £143 million. A dividend of 25.2p to 25.4p (23.1p) is predicted.

Chris Haskins, left, and Ross Buckland count the cost of the disappearing doorstep pinta

Main figures out in force

The Mansion House dinner, at which both Kenneth Clarke and Eddie George will speak, is held on Wednesday. It is possible they will announce the results of a Treasury review into the inflation target.

The Bundesbank's policy-making council also meets on Wednesday, bringing their deliberations forward from Thursday because of a public holiday. Hans Tietmeyer, the Bundesbank president, said last week that there was no chance of an interest rate rise in Germany, reinforcing speculation about a cut.

On Thursday, Group of Seven leaders and finance ministers convene for a three-day summit in Halifax, Nova Scotia.

On the statistical menu, the British week starts today with producer prices figures for May. The consensus market forecast, compiled by MMS International, is for input prices to rise 0.4 per cent, taking year-on-year growth to 10.3 per cent from 11.5 per cent in April. Output prices are forecast to have risen 0.3 per cent, leaving the annual rate at 4.1 per cent, against 4 per cent in April. On Wednesday, May unemployment figures are expected to show a fall of about 18,000, similar to April. April average earnings are forecast to nudge up to 3.75 per cent (3.5 per cent).

Thursday sees the release of May retail prices and retail sales. Headline RPI is forecast to have risen 0.4 per cent, edging up the annual rate of inflation to 3.4 per cent (3.3 per cent in April). The annual rate of underlying inflation is predicted to stay at 2.6 per cent, while RPIY, which excludes mortgage interest and indirect taxes, is expected to be 2 per cent (2.1 per cent). Retail sales volumes are seen rising 0.3 per cent, leaving year-on-year growth at 1.1 per cent, compared with April's weak annual comparison of 0.8 per cent.

On Friday, the May public sector borrowing requirement is forecast at £3.5 billion (£4.3 billion in April).

JANET BUSH

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A well presented, self-motivated person to look after a multi-tenanted office building close to Oxford Circus. Duties will include reception, telephone answering, some secretarial work, basic building management and a limited amount of sales work.

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25 to 40 years. Excellent Secretarial skills, first rate shorthand and computer literacy obligatory.

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Personnel Director, Rainham Steel Co Ltd, Kathryn House, Manor Way, Rainham, Essex RM13 8RE

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Please apply in writing with C.V. to Eve Jenkins, Sligos Payment Services Plc, Sligos House, The Boulevard, Shire Park, Welwyn Garden City, Herts, AL7 1LH. (no Agencies)

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RECEPTIONIST, Kw10 (Car Share Essential) Shop Busy/ Noise Over Lunch, well spoken, [illegible] exp. for busy [illegible] 20-30. Initially temporary. [illegible] typing. Kim & Tolan 0171 629 9648

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[illegible] enthusiastic, well presented TELEPHONIST/ RECEPTIONIST to operate a [illegible] switchboard [illegible] at our business [illegible] in a [illegible] ENVIRONMENTAL [illegible] service or [illegible] 895087

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Charities give Chancellor early warning

By Janet Bush
Economics Correspondent

KENNETH CLARKE, the Chancellor, has come under pressure some five months before the Budget over the tax treatment of Scotch whisky and charities, backed by some of the most effective and vocal public lobbyists.

Charities, already distressed about the amount of money being diverted to the National Lottery, are complaining about their tax position. Although they are exempt from VAT, they still have to pay the sales tax on their "inputs" — goods and services they buy in.

A report published today by London Economics backs up charities' claims that they lose £350 million a year in irrecoverable VAT. This finding is based on official data available from the Central Statistical Office and analysis of the accounts of more than 2,000 charities from Henderson's charity database.

London Economics, headed by Bill Robinson, former economics adviser both to Gordon Brown, the Shadow Chancellor, and Norman Lamont, the former Chancellor, said that the simple solution would be to change the law to allow charities to reclaim the VAT they pay on their costs. This, however, would run against the fundamental principle of VAT law, which is that VAT can be claimed on input only if it is charged on outputs. Instead, the report suggests a grant-in-aid scheme in which a central administrator, with detailed accounts, would provide a grant proportionate to the amount of irrecoverable VAT.

Mr Robinson said: "If charities were compensated in this way for irrecoverable VAT, the level of charitable activity might be expected to increase. This would mean that where that activity was a substitute for Government activity, public spending could be cut accordingly."

A poll published today and commissioned by the Charities' Tax Reform Group, which also backed the London Economics report, shows that public opinion overwhelmingly favours total tax exemption for charities and the paying back of VAT paid.

The Scotch Whisky Association attacked the Chancellor, saying that sales in Britain were down 26 per cent in the first quarter compared with a year ago. The association blamed Mr Clarke's decision to raise the excise duty on spirits by 4 per cent in the mini-Budget after the second tranche of VAT on fuel was abandoned. It said that the Treasury had assumed that higher duties would net the Exchequer an extra £25 million from sales of spirits in a full year, but that the Exchequer had lost that amount in one quarter from Scotch whisky alone.

Russia sets out on nuclear sales drive

By Colin Narbrough, World Trade Correspondent

THE Russian nuclear industry is set to snatch away the European Bank for Reconstruction and Development's biggest project as part of a worldwide offensive to secure nuclear plant contracts less than ten years after the Chernobyl disaster.

MinAtom, the Russian ministry for atomic energy, civil and military, has offered to complete a Soviet-designed plant, containing VVER-440 pressurised water reactors, for the Slovak Republic at Mochovce for $150 million.

The EBRD's DM1.45 billion project for Mochovce, which stalled in March when the Slovak Government asked the bank to delay a decision, would have involved DM412.5 million of EBRD money. Electricité de France (EdF), the French state power group, was to be the main contractor and equity partner in the scheme. EdF has already withdrawn its engineers from Mochovce.

The Slovaks had been concerned about the conditions the EBRD had attached to its scheme, especially the radical changes demanded in Slovak energy pricing policy and the requirement that an older nuclear plant at Bohunice be shut down.

MinAtom, which employs 2.5 million people according to Western estimates, has suffered from a lack of new orders since the world's worst civil nuclear disaster at Chernobyl in 1986. British nuclear industry officials see the Russians' problems as similar to those affecting nuclear plant builders in North America and Western Europe, where demand for new reactors has dried up.

Viktor Mikhailov, the minister in charge of MinAtom, has made clear that Russia plans to go ahead with a nuclear plant for Iran, in spite of Washington's protestations that it could help the Iranians develop nuclear weapons.

MinAtom plans to form a joint venture with Western partners to complete another Soviet-designed nuclear plant at Juragua, Cuba, for $800 million. The plant, only 200 miles from Miami, has been declared a serious safety risk by the US authorities.

Nuclear Electric said that it had not talked to MinAtom. EBRD, Siemens of Germany, and Ansaldo of Italy also said that they had no plans to co-operate with the Russians. Western experts, who have been given full access to Soviet nuclear plants since Chernobyl, regard the graphite moderated RBMK reactors, the type used at Chernobyl, as being fundamentally flawed. But the pressurised water reactors are considered technically reliable and safe, if upgraded with Western control equipment.

Given MinAtom's scope for undercutting Western prices, Russian nuclear plant could become a serious threat to Western plant makers in markets, mainly in Asia, that remain interested in building new capacity.

Although MinAtom's bid for Mochovce will rob the EBRD of a high-profile project, Mr Mikhailov agreed last week to take 76 million ecus from the nuclear safety account administered by the EBRD. The funds will go towards urgent safety improvements at plants in Leningrad region, Kola and Novovoronezh. The deal also involves the re-examination of all older VVER and RBMK reactors, to assess safety. MinAtom agreed not to restart reactor one at Kursk, an RBMK model, before 1998 and only after a safety assessment by Western experts.

Deal near on Reject branches

By Sarah Bagnall

JEFFREY GOULD, the former chief executive of Upton & Southern, is close to signing a deal to buy ten Reject Shop stores, which were put into receivership by Upton & Southern last month.

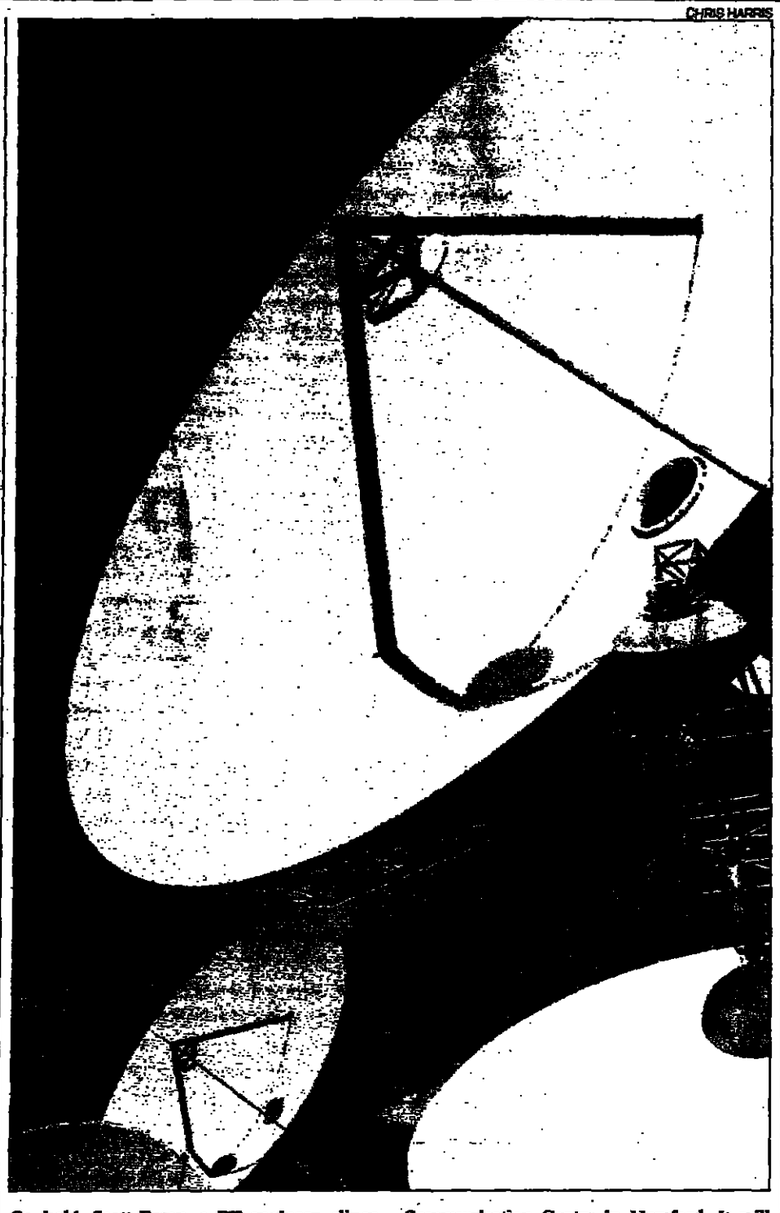
The Reject Shop consisted of 31 home furnishings stores, focused on the South-East and the first-time homebuyers' market.

Mr Gould, who resigned in April, joined Upton & Southern in 1992 and masterminded the takeover of The Reject Shop for £2.3 million in February 1994. Upton & Southern then found that the chain was in much worse shape than it had thought. A dispute erupted over an alleged £2.75 million shortfall in stock and Uptons started legal proceedings that remain unresolved.

Scott Barnes, of Grant Thornton, the receiver, said: "I expect to be able to announce the sale of ten stores in the next few days. We are at a very advanced stage of contractual negotiations. We also have offers for a further 12 stores from a number of parties."

The chain has debts of about £8 million. The sale of the stores could raise between £2 million and £4 million.

CHRIS HARRIS



On hold: Scott Eaton, a BT engineer, clings gamely to the edge of a 100ft satellite dish that will start beaming to more than 30 countries today after a £1 million refit. The Madley 3 aerial, built in the early 1980s, has been out of commission for nearly a year while being refurbished with the latest technology at BT's Communication Centre in Hereford. It will now carry millions of telephone calls, information and TV broadcast signals to countries including America, South Africa and the Middle East. A multimillion-pound refurbishment programme at Hereford will also see improvements to Madley 1 and 2 aerials.

Shaw to sell 50% stake in Telecential

By Eric Reguly

TELECENTIAL Communications, the ninth-largest cable operator, is likely to become the next cable company to be swept up in the industry's consolidation wave.

Shaw Communications, a large Canadian cable company, wants to sell its 50 per cent interest in Telecential within the next few months and has hired Morgan Stanley, the Wall Street investment firm, to find bidders. "There is tremendous interest," said Vernon Achber, Telecential's president.

Telus Corporation, a regional telephone company in western Canada, owns the other 50 per cent. Telus is not selling its stake, but may do so if it decides it cannot work with the new partner.

TeleWest Communications, which last week agreed to a £679 million merger with SBC CableComms, the fifth-largest operator, said it "certainly would take a look" at the possibility of buying Telecential. Nynex CableComms, which completed a £383 million Anglo-American flotation on Friday, said the same. Other potential bidders include Bell Cablemedia and General Cable.

Telecential was started in 1988 and has franchises in the Midlands, the South East and the South West covering 625,000 homes. About 68,000 of them receive cable TV services and 28,000 cable telephony services.

The company recently signed an agreement to connect its phone network to Energis, the long-distance telecommunications carrier owned by the National Grid.

Shaw and Telus together have invested have about £100 million of equity in the company.

Dares in merger talks with Scots

By Carl Mortished

DARES ESTATES, the quoted property group, is in talks with Bellhouse & Joseph, a private Scottish developer, which could lead to a merger of the two companies.

Dares Estates was refinanced in December, when it acquired a £23 million property portfolio and brought Tom Farmer, chairman of Kwik-Fit, on to the board.

The property group is seeking a further injection of assets and it is believed that the discussions with Bellhouse & Joseph could lead to a reverse takeover of Dares.

Brian Tomlinson, chief executive of Dares, would not confirm that talks with Bellhouse had taken place. But he said: "We are talking to a number of people. We are looking to expand the company by way of acquisition or merger. That is a fact."

Dares was rescued from the brink of collapse in December 1993, when its leading bankers agreed to swap £23 million of debt for preference shares in the company.

Last December, Dares acquired a company called Milelodge and a portfolio of properties for £23 million, funded by the issue of shares and a fourteen-for-five rights issue at 4p per share. The deal left Mr Farmer with 20 per cent of Dares and a seat on the board.

Bellhouse & Joseph sold an interest in the second phase of their Broomielaw office development in Glasgow last year to Pillar Property Investment.

Bellhouse retained the landmark first phase of Broomielaw — now known as Atlantic Quay — which it built in partnership with Kumagai Gumi, the Japanese developer that entered the British market in the late 1980s.

Business bodies under attack

By Philip Bassett, Industrial Editor

BRITAIN'S "incoherent" business organisations will come under attack in the Commons this week as MPs hear a call for the way they represent industry and deliver services for business to be rationalised.

Michael Heseltine, President of the Board of Trade, last year began a review of how trade associations deal with government. Efforts to promote a merger between the Confederation of British Industry and the EEF engineering employers failed. Business observers see few other signs, if any, of reform of the raft of competing business organisations.

Unions have a national centre in the TUC, but business has 230 employers' bodies, including the CBI, Institute of Directors, British Chambers of Commerce, Institute of Management, and the EEF.

In the Commons on Wednesday, Denis MacShane, the Labour MP, will launch a call for reform, insisting Britain's business bodies are "in a mess". He will apply the arguments used against unions in the 1980s: they are dominated by a small number of head office leaders and a few activists who attend meetings.

Though the move by the MP for Rotherham stands no chance of becoming law, his Ten-Minute Rule Bill will raise the issue of what he will say is "confusion" in Britain over the voice of employers.

Mr MacShane will tell the Commons that business bodies in Britain's principal competitor countries are much better organised. At national level, he will say, there is no coherent partner for government, and at the European and international level, British employers are "discordant" and unable to play a full role.

BUSINESS ROUNDUP

MGM cinemas could take Virgin name

THE consortium with the exclusive rights to negotiate the purchase of the MGM cinemas, Britain's largest cinema chain, may change the name to Virgin. Although MGM's roaring lion is one of the best known corporate logos in the world, the Virgin name, thanks to Richard Branson's relentless promotion, has become extremely well known in Britain. Virgin is part of the consortium, led by the Reading Company of Philadelphia, a property and cinema group, that hopes to strike a deal to buy the MGM cinemas within a month. CS First Boston, the investment bank, is the other member of the consortium.

The group has bid about £200 million for the chain, comprising 120 normal cinemas and 18 multiplexes. It was high enough to knock rival bidders Carlton Communications and Rank Organisation out of the picture. The MGM name does not automatically come with the chain. If the Reading-led consortium wants to keep it, it would have to pay a sum, described as "substantial," above the agreed purchase price. The cinemas are currently owned by Credit Lyonnais, the French bank.

Change at Exchange

THE fourth phase of the London Stock Exchange's Sequence trading and information service goes live today. Sequence, the product of a £30 million-a-year investment over three years, provides a single, integrated interface to Exchange members, though most users of the system will notice little change today. Sequence 4 will deliver a service for Seats and the Alternative Investment Market, the new market for small companies that starts on June 19 effectively replacing the Unlisted Securities Market and the Rule 4.2 trading facility for rarely traded shares. Brokers will find that Sequence 4 provides a new order-"hitting" trading capability, and some remote data entry by users. Sequence 5 is to go live in September. Sequence 6 should be delivered by August 1996.

Juppe reviews tax plan

THE new French Government of Alain Juppe is likely to back away from a plan outlined last month for sweeping cuts in employers' social security taxes to boost employment. Paris newspapers speculated that the imminent package would offer more modest cuts in labour taxes offset by further subsidies to firms that take on young unemployed people, who have been hit by undiscriminating minimum wage rules. Officials say that payroll tax cuts may be targeted on low-paid labour-intensive sectors, such as textiles, and aimed mainly at small companies, because budgetary constraints make general cuts impractical. Officials, employers and unions are looking for the cheapest way to create the maximum number of jobs. Gilt-Edged, page 46

Georgian deal for Shell

JKX Oil & Gas, an independent petroleum company that last week appointed Robert Horton, chairman of Railtrack, as its non-executive chairman, said that Shell Oil has joined its joint venture in Georgia. Shell will take 40 per cent of JKX's half interest in the venture, known as Georgian British Oil Company. The value of the transaction was not disclosed. The other half of the venture is held by the Georgian Government. An appraisal drilling programme in west Georgia has been the group's first project. Additional work may be done in two other licensed areas, including the Black Sea. JKX is due to be floated on the London Stock Exchange this month in an offering that will value the company at about £120 million.

Heath to launch group

CHRISTOPHER HEATH, founder of Baring Securities and once Britain's highest-paid director, is to launch a new investment group in the autumn, specialising in emerging markets. Caspian, which will initially be capitalised at $50 million, aims to focus on agency broking, corporate finance and asset management in Latin American and Asian markets. Mr Heath, who left Barings two years ago, will be chief executive. Caspian is backed by Equitable Life, Caledonia Investments, Scottish Eastern Investment Trust and National Finance, a Thai investment bank. The company wants to be based in Luxembourg but regulated in London and New York. Mr Heath aims to recruit about 100 people by the end of the year.

Innovation wins funds

BRITISH companies are set to spend more on innovation this year after a "significant" rise in innovation expenditure last year, a Confederation of British Industry report says today. Although Britain's innovation spending is still lower than that of many competitors, findings in the latest annual CBI innovation report suggest a continuing improvement in innovation performance by UK firms. The report survey, carried out with National Westminster Bank, was of almost 400 companies in manufacturing and services and shows that manufacturers spent an average 6.7 per cent of turnover on innovation last year, up from 4.3 per cent in 1993. Spending by service companies was 10.8 per cent, up from 6.4 per cent.

Directors shanghaied

THE official Shanghai securities newspaper has claimed that excessive turnover in the boardroom of China's listed companies has given them a bad reputation abroad. Frequent and irregular changes of top management have made overseas investors suspicious of share companies, the paper said. Between December 1994 and the end of May this year, 36 chairmen or presidents of Shanghai-listed A and B share companies left their posts; about 110 directors, chairmen and presidents of 56 listed Chinese firms quit or were forced to leave in 1994 because of corruption, old age or incompetence, while the explanations given for their departures were often unreasonable, analysts said.

TOURIST RATES

	Bank Buys	Bank Sells
a $	2.31	2.14
Sch	16.82	15.32
n Fr	49.18	45.88
	2.295	2.135
a $	0.750	0.695
s Cyp£	9.39	8.58
ark Kr	7.45	6.80
nd Mkk	8.31	7.68
ce Fr	2.40	2.16
many Dm	377.00	352.00
ece Dr	12.97	11.97
g Kong $	1.03	0.95
nd Pt	5.2655	4.5155
el	2715.00	2560.00
Lira	149.50	133.50
an Yen	0.601	0.546
	2.968	2.438
herlds Gld	10.59	9.79
way Kr	247.50	229.00
ugal Esc	ref.	5.43
rica Rd	201.50	188.50
n Pta	12.11	11.31
den Kr	1.99	1.81
zerland Fr	refer	66449.0
key Lira	1.691	1.561
$		

ates for small denomination k notes only as supplied by clays Bank PLC. Different s apply to travellers' cheques. es as at close of trading on ay.

CHANGE ON WEEK

US dollar
1.5970 (+0.0086)
German mark
2.2342 (-0.0028)
Exchange index
84.1 (+0.1)
Bank of England official close (4pm)

FT 30 share
2512.4 (-16.7)
FT-SE 100
3337.7 (-7.3)
New York Dow Jones
4423.99 (-20.4)
Tokyo Nikkei Avge
15044.18 (-804.95)

Australians catch Qantas bug

From Rachel Bridge in Sydney

THE Australian public has caught the privatisation bug as the long-awaited A$2 billion (£904 million) Qantas share offer rolls into town.

Interest in the flotation of Australia's national airline, one of the largest capital-raising exercises ever seen in the country, has been running so high that the free phone line set up for first-time investors to register for a copy of the prospectus has been permanently jammed since it opened a week ago.

Indeed, in order to cope with demand the consultants advising the Government on the sale have been forced to increase the number of operators to more than 120 and open the phone lines for an extra two hours a day.

One weary operator on duty at the Qantas share information centre last week said: "We've been really busy. We had more than 20,000 calls yesterday. We're all like zombies here. You should see this place, it's gone crazy."

More than a million prospectuses are being printed, ready to be released either this month or in early July. No major public share offering would of course be complete without a carefully orchestrated advertising campaign and potential investors have been wooed by a raft of TV adverts featuring prominent Australians such as actor Paul Mercurio, athlete Jane Flemming and businesswoman Sara Henderson urging them to get involved, to the strains of Qantas's corporate advertising theme. "I still call Australia home". The message is being hammered home through newspapers, billboards and even translated in 12 ethnic publications, in a campaign thought to be costing about A$20 million.

Qantas: best-known brand

Russell Tate, managing director of John Singleton Advertising, the agency responsible for the adverts, explains: "This campaign is very much directed to the retail market. We're not talking about financial heavies, we're appealing to the ordinary Australian. We are dealing with Australia's best-known brand and Australians have a pretty strong attachment to it and patriotic pride."

Indeed the public response to the Qantas flotation is vital to its success. Even with foreign ownership limits increased to a 49 per cent share of the airline — including British Airways' stake of 25 per cent — Australian investors and institutions will still need to take up shares equal to 51 per cent of the company. The 750 million shares on offer are expected to be priced between A$2.60 and A$2.70.

WORD-WATCHING

Answers from page 36

ELDRITCH

(b) Weird or hideous, monstrous, witchlike. "In concluding my review as President of the year just concluded, I want to make special mention — and I know that the committee and vice-presidents join me wholeheartedly in this — of our eldritch member, Mrs Mitchell."

MANDUCATE

(a) To chew or eat (with figurative overtones — to "make a meal of" something, to worry away at it). "I will say no more about your behaviour last night, Graham. It has already been the subject of more than adequate manducation by your mother..."

CHREMATOPHOBIA

(c) Fear of money, the rarest complaint known to man. From the Greek *chrēmata* money + *phobia*. Cheer up, help is at hand. Sufferers from this condition could never know fear again by sending their money in a plain wrapper to the Word Watching column...

LIMPOPO

(a) A river, otherwise known (for obvious reasons) as the Crocodile River in southern Africa. Alternatively (without the initial capital), the avocado, a pear-shaped tropical fruit, otherwise known as the alligator pear. This usage derives not from the connection between Crocodile River and alligator pear but from the writings of Kipling, whose phrase "the great, grey, green, greasy Limpopo" catches the nature of the fruit. The avocado had just been introduced to London when Kipling was writing and he found it disgusting.

SOLUTION TO WINNING CHESS MOVE

1 Bxh7+! Kxh7 (declining the sacrifice does not help, eg 1 ... Kg7 2 Qe4+ or 1 ... Kh8 2 Qh5) 2 Qh5+ Kg8 3 Qg6+ Kh8 4 Rc3 and mate is imminent.

After Greenbury, the fat cat will still sit on the mat

Poor Sir Richard Greenbury. He has spent his career rising, through his own hard work, within Marks & Spencer, and then raising the retail group's performance to establish his authority as its first full non-family boss. To the wider public, however, he is destined to be known merely as the name of a report on executive pay.

Worse still, that report cannot hope to satisfy those whose unrealistic hopes are riding on it. It will not still the renewed public distaste for the widening inequality within organisations, however sensible its conclusions. It is therefore unlikely to provide a magic formula for Michael Heseltine, at the DTI, who was shocked by the clash between small investors and institutional shareholders at British Gas, and is anxious to bridge a politically damaging divide.

Perhaps Sir Richard will again have cause to mark the advantages of inheriting a name. At least Sir Adrian Cadbury, who became synonymous with an earlier report on corporate governance, was generally known to have had another life, something to do with chocolate.

Not that Sir Richard is alone. However, the other main members of his committee have two things in common. They are accustomed to enormous pay and perks, often more than Cedric Brown's, if not those of Richard Giordano, who formally earns £450,000 for a three-day week with British Gas. Unlike Messrs Giordano and Brown, however, they are not heavily involved in privatised utilities. Sceptics therefore expect that the report will not say much about absolute levels of pay in Britain's top boardrooms, but will be highly critical of utilities.

The committee could review the levels of pay, for instance under its brief to review the effectiveness of remuneration committees. However, this would stir controversy rather than stilling it. Neither the committee members, nor those who appointed them, would favour rules of thumb that might appeal to the public — for instance that top pay in a company should be no more than ten times the average for its employees. For similar reasons, Greenbury is unlikely to favour shareholders controlling board remuneration committees, or to push voting on pay and bonuses too far. That would bring more unpleasant scenes.

The report will, however, come down heavily on past practices at utilities, in which board pay is generally much lower, but in which share options granted at privatisation prices have proved to be exceptionally easy money. Merely condemning the practices of the past would satisfy hardly anyone. New

GRAHAM SEARJEANT

rules for utility launches would apply to only a few unlucky remaining groups, such as managers of Nuclear Electric, Railtrack and the Post Office.

If Greenbury suggested that directors of all newly listed companies be deprived of options until well after the flotation, it would be more than cosmetic, though the impact on management buyouts would need working through. A simple reform would be to abandon share options altogether. At least one member of the committee seems to favour this. Sir Michael Angus has stopped new share options at Boots, of which he is non-executive chairman. Share options can provide a wonderful incentive, but they are a one-way bet that investors cannot share. They have surely had their day. If Greenbury does not kibosh them, the Inland Revenue or the Accounting Standards Board will.

Sir Richard and his colleagues face a far more embarrassing prospect. Unless they are ingenious, their new model for boardroom pay is likely to be uncannily similar to the scheme that Mr Giordano brought in for British Gas. Yes, that's right. The very pay scheme that spawned the "snouts in trough" farce, led to the most socially divisive company meeting in memory and indirectly caused the Greenbury committee to be formed, could itself emerge as best practice, the responsible blueprint for the future.

The first report of the scheme, in *The Sunday Times* last November, saw it as a progressive reform that would shorten rolling contracts; entail unprecedented disclosure of individual directors' pay and perks; scrap annual bonuses and end easy-money share options in favour of long-term options that could be exercised only if returns to shareholders improved according to stringent targets. The article argued that "the sweeping changes are likely to to create pressure pressure from City shareholders for other companies to follow the lead of British Gas". A pay "expert" opined that the sensitivity to shareholders at British Gas was a pointer to the future.

Within this wider reform, British Gas reckoned the 75 per cent rise in Cedric Brown's basic pay incidental. Mr Giordano, like the reporter, misjudged the public mood. To some of us, looking enviously over your shoulder at other people's pay is self-destructive. And attempts to suggest that utility bosses' option gains come at the expense of consumers are dishonest. Maybe we are not among the millions who have lost previously secure jobs to aid industrial efficiency and advance labour flexibility.

Millions of ordinary employees are bombarded with incessant propaganda to the effect that if the nation is to enjoy higher living standards, they must not. British Gas has turned its employees against it and made it infinitely harder to recruit top talent. The main external objection to big boardroom pay rises has been that they give a bad example to union negotiators. If directors had heeded this for the past quarter century, differentials would not have widened as they have. The issue focused on utilities is a political one. Widening pay gaps have become unacceptable in harder times. Sir Richard cannot hope to defuse that.

A big helping of Littlewood

***Movers and Shakers**. Radio 3, 9.30pm.*

Not before time, BBC radio comprehensively acknowledges the pioneering theatre work of Joan Littlewood. Presumably, her 80th birthday provided the incentive. Last night, *Radio 3* put out a new production of *Oh! What a Lovely War*, her runaway Theatre Workshop success. Tonight's *A Book at Bedtime* (Radio 4, 10.45) has her reading her autobiography. *Movers and Shakers* presents her in one of her most compelling roles, as interviewee. The iconoclast with the caustic tongue and emollient laugh responds to Faynia Williams's respectful questioning in the way we would expect her to — vigorously, and with self-deprecating honesty.

On the Job, *Radio 5 Live, 9.35pm.*

Although Richard Quest's report on commuters is sub-titled "Journey to Hell", most of the travellers he speaks to do not find commuting at all hellish. On the 6.10pm London to Brighton train, they celebrate the end of another working week with a wine and cheese party. There are no complaints from the man who spends four hours a day travelling, and pays £2,500 for the privilege. A London woman working for a firm that has moved to Peterborough rejoices because, in the lunch break, she is no longer tempted by the fleshpots of Oxford Street. The only journey to hell we hear about is an Oxford man's: he spends six hours a day travelling by car, train and Tube.

Peter Davalle

RADIO 1

FM Stereo. 4.00am Dave Pearce 6.30 Chris Evans 9.00 Simon Mayo 12.00 Lisa I'Anson, including at 12.30-12.45pm Newsbeat 2.00 Nicky Campbell 4.00 Mark Goodier, including at 5.30-5.45 Newsbeat 7.00 Evening Session 9.00 Collins and Maconie's Hit Parade 10.00 Mark Radcliffe 12.00 Wendy Lloyd

RADIO 2

FM Stereo. 6.00am Sarah Kennedy 6.15 Pause for Thought 7.30 Wake Up to Wogan 9.15 Pause for Thought 9.30 Ken Bruce, incl at 10.00 Pick of the Hits 11.30 Jimmy Young 2.00pm Dibble Thrower 3.30 Steve Jones 5.05 John Dunn 7.00 Hubert Gregg 7.30 Alan Dell with Dance Band Days, and at 8.00 Big Band Era 8.30 Big Band Special 9.00 Humphrey Lyttelton with the Best of Jazz 10.00 Star Equality 10.30 The Jamesons 12.05am Digby Fairweather 1.00 Steve Madden 3.00 Alex Lester

RADIO 5 LIVE

5.00am Morning Reports 6.00 The Breakfast Programme, incl at 6.55 and 7.55 Racing Preview 8.35 The Magazine, incl at 10.35 Euronews; 11.00 News; Going Bananas 12.00 Midday with Mair, incl at 12.34pm Moneycheck 2.05 Ruscoe on Five 4.00 John Inverdale Nationwide 7.00 News Extra, incl at 7.20 sport 7.35 Fantasy Rugby 8.05 Inside Edge, incl at 8.15 The Business of Sport 9.35 On the Job: See Choice 10.05 News Talk 11.00 Night Extra, incl at 11.15 The Financial World Tonight 12.05am The Other Side of Midnight 2.05 Up All Night

TALK RADIO

6.00am Sean Bolger 10.00 Scott Chisholm 1.00pm Anna Raeburn 3.00 Tommy Boyd 7.00 Maurice Dee 10.00 Caesar 1.00am Ian Collins

WORLD SERVICE

All times in BST. 5.00am Newsdesk 5.30 Europe Today 6.00 Newsday 6.30 Europe Today 7.00 News 7.15 Earth, Air, Fire and Water 7.30 Power to the Generals 8.00 News 8.15 Development '95 8.30 The Uneasy Alliance 9.00 News in German 9.15 Opera of the Week 10.00 News 10.05 Business 10.15 Anything Goes 10.45 Sport 11.00 Newsdesk 11.30 BBC English 11.45 Off the Shelf Noon Newsdesk 12.30am Omnibus 1.00 News in German 1.15 Britain Today 1.30 Best on Record 2.00 Newshour 3.00 News 3.05 Outlook 3.30 John Peel 4.00 News 4.05 Sport 4.15 BBC English 4.30 News in German 5.00 News 5.15 Opera Behind the Scenes 6.00 News 6.05 Business 6.15 Opera 6.30 News in German 7.00 Newsdesk 7.30 Omnibus 8.00 Newshour 9.00 Europe Today 9.30 Outlook 9.55 Words of Faith 10.00 News 10.05 Business 10.15 Britain 10.30 Multitrack: Hit-List 11.00 Newsdesk 11.30 The World Today 11.45 Development '95 Midnight News 12.10am Take Five 12.15 John Dunn 12.45 Sport 1.00 Newsdesk 1.30 Folk Routes 1.45 Britain Today 2.00 News 2.10 Press 2.15 Unforgettable: Nat King Cole 2.45 Health Matters 3.00 Newsday 3.30 Jazz 4.00 News 4.15 Sports Roundup 4.30 John Peel

CLASSIC FM

6.00am Nick Bailey 9.00 Henry Kelly 12.00 Susannah Simons 2.00pm Concerto: Spohr (Clarinet Concerto No 1 in C minor) 3.00 Jamie Crick 6.00 Classic Reports 7.00 A to Z of Classical Music 8.00 Concert) 10.00 Michael Mappin 1.00am André Leon

VIRGIN RADIO

6.00am Russ 'n' Jono's Breakfast 9.00 Richard Skinner 12.00 Graham Dene 4.00pm Nick Abbot 7.30 Paul Coyte 11.00 Janey Lee Grace 2.00-6.00am Robin Banks

RADIO 3

6.30am Open University: The Faust Legend 6.55 Weather
7.00 On Air: Mayerl (Sleepy Piano); Purcell (Incidental music, King Arthur — excerpts); Haydn (Symphony No 20 in C); 8.05 *Handel Handbook*: Handel (Sonata in D minor, HWV 367a, Fitzwilliam); 8.19 Copland (El Salon Mexico); Rimsky-Korsakov (Fairy Tale)
9.00 Composer of the Week: Antonin Dvořák. Including excerpts from *Armida*, *The Roguish Peasant* and *Vanda*
10.00 Musical Encounters: Including *Artist of the Week*: Jacqueline du Pré, cello, performs Bach (Cello Suite in D minor, BWV 1008); 10.30 Mendelssohn (Piano Trio in D minor, Op 49); Bartók (Romanian Folk Dances) 11.10 Krommer (Octet Partita in E flat, Op 71); Schumann (Konzertstück in F, Op 86)
12.00 Gritty to Gershwin: Danube Blues. The origins of the waltzing operetta
1.00pm BBC Lunchtime Concert: Dmitri Alexeev and Nicolai Demidenko, pianos, perform Rachmaninov (Suite No 2, Op 17; Symphonic Dances, Op 45)
2.00 Schools: Lifeskills 2.15 Storybox 2.25 Let's Move 2.45 First Steps in Drama
3.00 The BBC Orchestras: BBC Scottish Symphony Orchestra under Marlyn Brabbins performs Borodin (Overture, Prince Igor); Brahms (Double Concerto in A minor) (r)
3.45 Fairest Isle: National Trust Instruments. Graham Dixon presents the first of nine concerts recorded at homes owned by the National Trust. Robert Woolley plays the Kelsey spinet in Westwood Manor, Bradford-on-Avon
4.30 You Take Some Sides . . . *That's What I Like about You* is the third of six programmes in which Russell Davies explores the relationship between black and white jazz musicians
5.00 The Music Machine: Tommy Pearson traces the development of the modern piano with a visit to the Finchcock Collection of historical keyboard instruments in Kent
5.15 In Tune: Rachmaninov (Mazurka in D flat, Op 10 No 7); 6.03 Chopin (Ballade No 1 in G minor); Handel (Water Music)
7.30 Fairest Isle: Talking Music — Oliver Knussen's British Music Now. BBC Symphony Orchestra and the Nash Ensemble perform music by Robin Holloway
9.30 Movers and Shakers: See Choice
9.55 Settings of Shakespeare: BBC Singers under Simon Joly perform Matthew Peter King (The Witches' Glees) (r)
10.15 Cardiff Singer of the World 1995: Elaine Padmore and Michael John White discuss the progress of this year's contestants
10.45 Mixing It
11.30-12.30am Ensemble: Sarah Francis, oboe; Alberni Quartet perform Mozart (Divertimento in D, K136); Holst (Three Pieces, Op 2); Frank Bridge (Three Idylls for string quartet); Mozart (Oboe Quartet in F, K370)

RADIO 4

5.55am Shipping Forecast **6.00** News **6.03** Weather **6.10** Farming Today **6.25** Prayer for the Day **6.30** Today, incl **6.30, 7.00, 7.30, 8.00, 8.30** News **6.55, 7.55** Weather **7.25, 8.25** Sports News **7.45** Thought for the Day
8.40 An Unfortunate Turn of Events: John Howard looks at the *QE2* fiasco (1/5) **8.58** Weather
9.00 News 9.05 Start the Week, presented by Melvyn Bragg and Donu Kogbara. With Ken Russell, Helena Kennedy, QC, Anthony Sampson and Ronald Segal
10.00-10.30 News; With Great Pleasure (FM only): The industrial journalist, economist and broadcaster Mary Goldring introduces a selection of her favourite prose and poetry
10.00 Daily Service (LW only): from the Northern Ireland Hospice, Belfast
10.15 This Sceptr'd Isle (LW only): Anna Massey narrates a history of Britain
10.30 Woman's Hour (FM only from 11.00): Jenni Murray interviews the American poet Tess Gallagher
11.30 Money Box Live: 0171-580 4444
12.00 News; You and Yours
12.25pm Brain of Britain 1995: First Round — Midlands and East Anglia **12.55** Weather
1.00 The World at One (FM and LW), with Nick Clarke
1.40 The Archers (r)
2.00 News; Stay Stum, a black comedy by Sheila Goff. With Peter Sallis, Margaret John and Desmond Barrit (r)
3.00 The Afternoon Shift with Laurie Taylor
4.00 News 4.05 Kaleidoscope reviews Kurt Weill's *The Rise and Fall of the City of Mahagonny*; and listens to the latest CD from Bjork
4.45 Short Story: The Last Connors, by John Hunt. Read by James Greene
5.00 PM 5.50 Shipping Forecast *5.55* Weather
6.00 Six O'Clock News
6.30 I'm Sorry I Haven't a Clue: With Barry Cryer, Graeme Garden, Willie Rushton, Tim Brooke-Taylor and Humphrey Lyttelton in the chair (r)
7.00 News 7.05 The Archers
7.20 The Food Programme (r)
7.45 The Monday Play: Willis is Barking, by Tina Pepler. Maureen O'Brien plays Willis, a secret Martian, who encounters mortgages, homelessness and morris dancing. With Christian Rodska and June Barrie (r)
9.15 My Kind of Trust: Paul Boateng, MP, chooses Mr Straw's house, a National Trust property in Worksop
9.30 Kaleidoscope (r) **9.59** Weather
10.00 The World Tonight
10.45 Book at Bedtime: Joan's Book. Joan Littlewood reads her autobiography (1/10)
11.00-11.30 Eating Out (FM only): Eating alfresco in Britain (r)
11.00-11.30 Education Matters (LW only)
11.30-12.00 Kipling in Love (FM only): The Courting of Dinah Shadd. The fourth of eight plays based on stories by Rudyard Kipling (r)
12.00-12.45am News, incl **12.27** Weather **12.33** Shipping **12.45** As World Service (LW)

RADIO 1: FM 97.6-99.8. RADIO 2: FM-88-90.2. RADIO 3: FM-90.2-92.4. RADIO 4: 198kHz/1515m; FM-92.4-94.6; LW 198. RADIO 5: 693kHz/433m; 909kHz/330m. LONDON RADIO: 1152kHz/261m; FM 97.3. CAPITAL: 1548kHz/194m; FM-95.8. GLR: FM 94.9; WORLD SERVICE: MW 648kHz/463m; LW 198kHz (12.45am-5.45am). CLASSIC FM: FM-100-102. VIRGIN: MW-1215, 1197, 1242 kHz. TALK RADIO: MW 1089, 1053kHz. Listings compiled by Peter Dear, Gillian Maxey

Why Big Blue limbered up to attempt the Lotus position

Eric Reguly reports on IBM's attempts to muscle in on the revolution in PC software

IBM's door-busting $3.3 billion offer for Lotus Development Corporation, one of America's three largest makers of software for personal computers, had a lot to do with Big Blue's newly found virility. But it has even more to do with anticipating where the PC industry is heading. No one wants a computer that just computes any more; it must be able to talk to other computers as well. Richard Shaffer, of Technology Partners, a research firm in Manhattan, said: "The computer is becoming a communicating device. It is becoming a productivity device for groups of people as opposed to a machine for solitary use."

This is where Lotus's most glamorous software, Lotus Notes, comes in. Notes has been called nothing short of "revolutionary" by technology consultants. It allows people in different offices to work on the same document, sharing information in the form of voice, graphics and video as if they are sitting around the same desk throwing ideas at each other. It is versatile too. The "groupware" program can be used on any machine that is plugged into a network, including PCs loaded with Microsoft's Windows, or Apple Macs. Incompatability no longer is an issue.

Louis Gerstner, IBM's chairman, said that putting IBM Lotus together would create "a collaborative computing environment so people can work and communicate across corporate and national borders — without worrying about things like incompatible hardware and software."

IBM, recognising the enormous potential of Notes, has been trying to get its hands on the software for at least two years. Jim Manzi, the former transcendental-meditation instructor who is Lotus's chairman wouldn't hear of giving up the most promising product in the company's portfolio. He did, however, suggest that IBM buy Lotus's desktop applications business, dominated by a word-processing software and the famous, but now dated, Lotus 1-2-3 spreadsheet program.

IBM balked, then quietly began to draft a hostile takeover plan. Anyone who was listening closely might have known that Big Blue was getting ready to pounce on something. In January, Jerome York, chief financial officer,

Louis Gerstner is programming IBM to beat Microsoft and Intel

said the company probably would make a "multi-billion dollar" acquisition within a year or so. It was sitting on more that $10 billion in cash.

Then Mr Gerstner, in the chairman's letter in the 1994 annual report, hinted that IBM was about to embark on a bold strategy to re-take the lead established by Microsoft and Intel in the PC business. He said: "We have a lot of work ahead on many fronts — growth, speed to market and re-engineering, to name three. We're not the industry leader yet — at least not by my definition."

Mr Gerstner, the gung-ho former McKinsey consultant who was lured from RJR Nabisco two years ago to turn IBM around, finally lost his patience. A week ago, he stunned Mr Manzi with the news that he would let Lotus's shareholders decide the company's fate. IBM launched a $60-a-share cash offer for Lotus's 55 million outstanding shares. The hefty premium — Lotus shares rose $29 to $61.44 that day — meant IBM was not fooling around. Just to make sure Lotus got the message, IBM filed a suit to eliminate Lotus's poison pill and made it known that it would seek to remove the directors through a shareholder solicitation. Lotus began looking for a white knight. But the logical candidates, AT&T, Hewlett-Packard and Intel, have given no sign that they will come to the rescue. There were rumours on the weekend that IBM, in an effort to transform its bid from "hostile" to "friendly", was considering raising its offer to $65 or so. If IBM wins the company — and analysts think it will — the big loser would not be Lotus or Mr Manzi, it would be Bill Gate's Microsoft. Microsoft would never get government approval to buy Lotus because it already controls a huge share of the software market. But it no doubt fears that Notes, backed by IBM, might be able to bury its lag-behind rival product, Microsoft Exchange. The program, originally scheduled to reach the market in early 1994, probably will not appear until next year. No one has been able to duplicate Notes, though many software companies have tried.

Notes was conceived in the early-1980s by Raymond Ozzie, then in his mid-20s, who had spent time on the mainframe system called Plato at the University of Illinois. Plato allowed users to trade information with other mainframes around the world.

Mr Ozzie decided to design an equivalent system for PCs. Years before anyone else, he foresaw the day the computer would become a communications tool, not just a system for calculating spreadsheets. Lotus was the only company with enough vision to buy into the concept (even Bill Gates played down its possibilities). In 1989, after five years of development, Notes came to the market. The software has been especially popular with travelling sales agents. It allows them to avoid the office and spend time with their customers. While they're on the road, they can dial in, download any files they need and see what changes have been made to them by other employees. Customers say it's easy to use.

Sales of Notes began to take off. Analysts called it the engine of growth at Lotus and said it would probably become the industry standard. Microsoft, realising that it may have missed the boat, increased its development work on Exchange. In a pre-emptive strike against Exchange in January, Lotus cut the price of Notes and unveiled two less expensive, slimmed-down versions. It appears that Microsoft has a long way to go to surpass Notes. "Microsoft is well behind in this area," said Mr Shaffer.

If IBM gets Lotus, its fortunes are bound to change. IBM got into trouble a few years ago because it continued to do what it had done best — build bulky mainframe computers. The strategy worked beautifully until the early 1980s. But Big Blue underestimated the appeal of the personal computer. The PC era belond to Microsoft and made Bill Gates the richest man in America.

Then in the late-1980s and early-1990s, PCs were pushed into service as communicators. Millions of people gained access to the Internet, the worldwide computer network. Online services became popular. Notes has caught this wave — the interconnection of companies everywhere. Microsoft will fight back but with Lotus at its side the next era may belong to IBM.

THE TIMES CITY DIARY

Seven go on the defection trail

FRIDAY was not a good day for Smith New Court. To the broker's consternation, seven of its UK convertibles team resigned. The seven — Huw Leyshon, Tim Webb, Stephen Jones, Andrew Marshall, Stuart Galvin, Chris Lee and Inno van den Berg — are no longer "the magnificant seven" in SNC's eyes. They are to join James Capel — a destination that SNC must find particularly galling. Only two years ago Leyshon, Webb and Jones left Capel to join SNC. Unless the deckchairs are rearranged, or new recruits are found immediately, the defections would cut the Reuters second-ranked analysts team down to four. SNC is hopping mad. In no uncertain terms, it has told all seven that they will be required to work out their notice periods, which range from one to six months.

Channel fanatics

T. HOARE & Co, the broker, could be the one to turn Eurostar into profit. The firm was established in September, 1993, with a team of eight mining specialists. Since then, it has grown to 34, with offices in London and Australia. Today, T Hoare opens offices in Paris, where Andrew Stormonth-Darling and Stéphane Lamoine have their desks near Place de la Concorde. "We are fanatical about travelling between Paris and London on Eurostar," says Stormonth-Darling.

Winning ways

IT really is London's loss and Madrid's gain. Alberto Gallardon, whose Spanish legal firm is in joint venture with the UK lawyers Davies Arnold Cooper, has been elected mayor of the metropolitan district of Madrid. His election promise was to create 200,000 new jobs in four years. The programme will cost $3 billion. He will fund it by "mass privatisation, removal and punishment of speculators against the peseta, and the legalisation of brothels". David MacIntosh, DAC's senior partner, says: "We will miss him."

Stout fare

ALAN ERSKINE, food manufacturing analyst at NatWest Securities, knows how to make a party go with a banger. He has just hosted a do with a difference for clients. Instead of a wine-tasting evening, Erskine opted for a sausage-tasting event at Arkwrights, a speciality sausage shop in Barnes, run by a former Salomon Brothers equity salesman. Guests munched on seven gourmet bangers, such as fresh red chillis with brandy, although Erskine claims that the unlikely favourite combined beef, stout and scallops.

COLIN CAMPBELL

Lowering defences of the franc fort

A seismic shift is under way in continental Europe. The central mover is France, which seems to be discreetly changing its exchange-rate policy. The old rigid link between franc and mark has gone. That exchange rate has shown a remarkable increase in volatility over recent months. The choice of what replaces it will be crucial for Bundesbank policy, and in turn will be vital for UK monetary policy and gilts.

Some clues are given by looking at the acute policy dilemma faced by France. Unemployment has to be cut. This is a central plank of President Chirac's policy, and the need for it is illustrated by youth unemployment rates of 25 per cent nationally. Meanwhile, the deficit also has to be cut. Signals on this from the new administration have been mixed. Yet if there is to be any hope of starting monetary union in 1999, French deficit reduction has to happen now, given that there are only two years to 1997, the year that will be relevant for the Maastricht 3 per cent criterion. How can lower unemployment be reconciled with tougher fiscal policy? Special job measures might make some difference, but the key has to be an easier monetary policy. And that cannot be reconciled with the old, rigid link between the franc and the mark. There has to be a more flexible system.

The trade tension between France and Italy points in the same direction. French politicians have argued that the weakness of the lira against the franc is a major breach of normal trading practices, so that protectionism can be imposed to offset its effects. It would be a major blow to the single market if trade barriers were erected within Europe. This is another powerful reason for finding a system that will allow the franc to weaken against the mark, at least at times, and perhaps trade more closely with the lira, peseta, and even sterling.

This new system cannot be presented as any formal change in the existing "franc fort" policy. It has to be a more subtle shift. One way it might operate is for the French

GILT EDGED

authorities to cease targeting a particular rate against the mark, and instead target a rate against the ecu. The practical effect is that the franc-mark rate would quite often be trading at a relatively low level within its 15 per cent band, perhaps around 3.70. They would accompany this with progressive but large cuts in French short rates. This currency move would, probably open the way to the Bundesbank reducing interest rates again. This in turn would help the lira and sterling to be stable against the mark. Combined with the lower franc, this would defuse the protectionist pressure. The rise in sterling against the franc, perhaps to somewhat above eight, would also be appreciated by UK holidaymakers, and discourage them from diverting their trade from France into Italy or Spain.

This move may well not be announced formally. More likely, it will emerge as a *fait accompli* over the summer. This discretion would reduce the risk of a political row within France, and the administration could claim that the franc fort policy was unaltered, which in a sense it would be, since the franc would still be within its 15 per cent ERM bands. But the old policy of trying to keep the franc-mark rate broadly stable would have been abandoned.

All of this would be broadly favourable for the UK. Partly because it would open the way to an easier Bundesbank policy; partly because it would change the UK's relationship with France. Currently, France is a sluggish export market from which we are tending to import inflation owing to the weakness of sterling against the franc. Much healthier to have a strongly growing trading partner, reinvigorated by interest rate cuts, against which sterling trades a little stronger. And for Europe as a whole, this rebalancing of French policy is of great importance in helping to put the economy back on to a more convincing growth path.

GILES KEATING
CS First Boston

Love, and conspicuous acting, is all around

REVIEW

Matthew Bond

At last, the rest of us now know what has been so exercising poor Alan Plater. **Oliver's Travels** (BBC 1), the series he adapted from his own novel and then all but disowned, is under way. Let the debate begin.

Plater, for those of you new to this creative contretemps, wrote the series for his old friend Tom Courtenay. In BBC Wales's production, however, Oliver, a newly redundant lecturer in comparative religion and crosswords, is played by Alan Bates. The result? A noisily unhappy Plater, a quietly unhappy Courtenay and an awful lot of dark curly hair on our television screens for the next four Sunday nights. Bates definitely still does big hair.

In fact, he does big everything — which is another reason why the show's creator is less than chuffed. Plater favours something he calls "invisible acting" to get the best from his work. Bates, as you might have noticed last night, does not do invisible acting. He does very visible acting indeed. Short of employing a minion to follow him round with a large sign saying "Danger: Thespian at Work" he could not do more visible acting.

The disagreements do not stop there. Plater has written that "you cannot be noisy and laconic at the same time". Bates's interpretation is certainly proof of that — but then who wants to be laconic when you can be noisy instead? As for Plater's "golden rule" that his characters should "never know that what is happening is funny" let us just say it is not one shared by the director, Giles Foster. As Oliver walked into the police station to report missing a crossword compiler by the name of Aristotle, my heart sank. Sure enough, some grievous bodily humour was duly inflicted.

So that, in rough summary, is why Plater is unhappy. But where did the first instalment leave the rest of us? Rubbing along quite nicely, I thought, and for all the heavy-handedness, rather enjoying the storyline, quite revolutionary for a modern Sunday night drama, of a man and a woman falling in love. Lynda La Plante would not approve.

But long before Oliver liberated Diane and headed off in search of Aristotle, it was clear we were in a very different world from any created by La Plante. We were back in the "very peculiar" world described by Andrew Davies in his Royal Television Society lecture. Just for a moment, in fact, I thought we were back in Davies's *A Very Peculiar Practice*, as the new Vice-Chancellor of the New University of the Rhondda Valley inspected his campus, recording his observations into a Dictaphone. "Room 17. Laughter." Pause. "Laughter?"

Echoes of Davies and, courtesy of the spinning glitter ball at a deserted dinner-dance at the Three Tunes Hotel, echoes of Dennis Potter too. There were even, thanks to some superlative smouldering from Sue Roderick as the Vice-Chancellor's wife, echoes of Kingsley Amis's *The Old Devils*. But most of all — helped by Carl Davis's Brubeck-inspired score — there were echoes of Plater and his wonderful *Beiderbecke* trilogy. As Bates and Cusack headed for Orkney, it could almost have been James Bolam and Barbara Flynn — except for all that hair.

But while Bates and Cusack prepare to bring a little romance to future Sundays, there was no doubt about the emotional high-spot of this weekend. On Saturday, Clark Kent finally, gloriously, passionately, kissed Lois Lane. For those of us for whom no weekend is complete without a visit to Metropolis and *The Daily Planet*, it was a very special moment.

What Lois (Teri Hatcher) called "the date thing" had been rumbling on through so many episodes of **The New Adventures of Superman** (BBC 1) that there were serious doubts about whether she and Clark (Dean Cain) would ever get it together. But when they did, it was worth waiting for — how Clark spoon-feeding Lois dessert could be shown before the 9pm watershed, I shall never know.

Of course there were setbacks: "The date was really nice, Clark — which is why I can never see you again." And no sooner had the kiss begun, than it was interrupted by a car-bomb. The victim was the *Planet*'s lawyer, Mayson Drake, whose touching yet unrequited love for Clark had been the most recent obstacle to what Lois will no doubt soon be calling "the kiss thing". Mortally wounded, Mayson lay in the arms of the man she loved and, in the process, became the first woman (apart from his mother) to discover what Clark Kent really wears under his business suit. Died instantly, of course.

Where we go post-kiss who knows, but this top-class production team shows no sign of running out of ideas. Well cast, well acted and very well written, *New Adventures* is fantasy and funny: "You know, Clark, it's the father-son thing. Like the father-daughter thing, except when you do finally talk you use more sports metaphors." Way to go, Lois.

Finally, **Bliss** (BBC 2). It wasn't. But then it was always going to struggle after casting the good-looking Douglas Hodge as the shambling Leslie Bliss. A long period of improvisation (now, there's a frightening phrase) apparently preceded Les Blair's exploration of modern manners, but no amount of improvisation can make Hodge anything less than handsome. Instead, he was reduced to an awful lot of ugly acting: over-long strides, funny twitches and the fringe from hell. And despite some good performances, particularly from Saira Todd and Gary McDonald, somewhere in all that improvisation I think they lost the plot.

● *Lynne Truss is on holiday*

BBC1

6.00 Business Breakfast (85812)
7.00 BBC Breakfast News (90201831)
9.05 Big Day Out in Hexham (r) (s) (8870980) **9.50 Hot Chefs.** Alastair Little *prepares* Parma wrapped chicken (r) (s) (3178980)
10.00 News (Ceefax), regional news and weather (9993386) ***10.05 Kids' Kilroy.*** Robert Kilroy-Silk chairs a studio discussion on the eating disorders of the young (r) (s) (2998034)
10.30 The Spirit Of England. Ronald Pickup visits Rievaulx Abbey in Yorkshire and Belsay Hall in the Border country (1886560) **10.45 Consuming Passions** (r) (1712763) **10.50 News** (Ceefax), regional news and weather (1063102)
10.55 Grand Prix. *Repeat of Sunday night's highlights of* the Canadian Grand Prix
11.35 The Flintstones. The golf champion
12.00 News, regional news and weather
12.05 The Power of Soap. The potential political power *of the soap opera*
12.55 Regional News and weather (61679893)
1.00 News (Ceefax) and weather (40454)
1.30 Neighbours. (Ceefax) (s) (35812541)
1.50 Cagney and Lacey
2.40 Castles. Drama serial (r). (Ceefax) (s) (3073270)
3.45 Babar (r) (2186562) **4.10 Peter Pan and the Pirates** *(r).* (Ceefax) (s) (4095947) **4.30 The Movie Game.** (Ceefax) (s) (270)
5.00 Newsround. (Ceefax) (2098015) **5.05 Blue Peter.** *(Ceefax)* (s) (7120560)
5.35 Neighbours (r). (Ceefax) (s) (597676)
6.00 Six O'Clock News (Ceefax) *and weather* (763)
6.30 Regional News Magazines (265)
7.00 That's Showbusiness. Entertainments quiz presented by Mike Smith. The guests are Cathy Shipton, Richard Orford, Emma Forbes and Gareth Hale. (Ceefax) (s) (5096)
7.30 Watchdog Healthcheck. Health issues magazine. (Ceefax) (s) (299)

Michelle Collins as Cindy Beale (8.00pm)

8.00 EastEnders. (Ceefax) (s) (4744)
8.30 Next Of Kin. Comedy series starring Penelope Keith and William Gaunt. (Ceefax) (s) (3251)
9.00 Nine O'Clock News (Ceefax), regional news and weather (4589)
9.30 Panorama: The Plane Truth. An investigation into the trade in bogus aircraft parts. (Ceefax) (335183)
10.10 Thatcher: The Path To Power — and Beyond (s) (963015). **Northern Ireland:** Places Apart 1.40 Thatcher: The Path to Power — and Beyond 11.30 Film 95 12.05am-1.40 Film: Stranger *Within*
11.00 Film 95 With Barry Norman. Among the films reviewed are *Bad Boys* and *Jefferson In Paris.* (Ceefax) (s) (9034)
11.30 FILM: Slamdance (1987) starring Tom Hulce and Harry Dean Stanton. A thriller about a man framed by corrupt policemen for the murder of a prostitute. Directed by Wayne Wang. (Ceefax) (612560)
***1.05am* Weather** (7113955)

BBC2

6.20 Open University: Social Welfare — Family Centre **6.45** The Politics of Equal Opportunity **7.35** Race and Education: Empires of the Mind (83257693)
8.00 Breakfast News. *(Ceefax and signing)* (8855299) **8.15 Westminster On-Line With Sarah Baxter** (s) (9293893)
9.00 Daytime on Two. Educational programmes. Plus **10.00-10.25** Playdays (2997305) **1.45** Words and Pictures (93866831) **2.00** Noddy (69506251)
2.10 The Flavour of Traditional Elegance. A look at a "ryokan" — the traditional inn in which the Japanese stay to escape the rigours of modern life (71163305). **Wales:** (to 3.00) Welsh Questions Live (5616522)
2.40 Town Portraits: *Bishop Auckland, followed by* **The Europeans:** Spain. **3.00 News,** regional news and weather. **3.05 Sun Kosi.** River of gold. **3.55 News,** *regional news, weather* ***4.00 Gaslight.*** *Classic* starring Ingrid Bergman and Charles Boyer. **5.50 Wildlife Gems. 6.00 The Addams Family.** Green Eyed Gomez
6.30 Golf — The US Open Championship 1994. As the 1995 championship in Shinnecock, New York, approaches, a look back at last year's contest at Oakmont, Pennsylvania, where Ernie Els beat Loren Roberts and Colin Montgomerie (587134)
7.15 NEW **Cardiff Singer Of the World.** Lieder and opera singers perform a variety of *pieces under the scrutiny of a distinguished jury that* includes Dame Joan Sutherland (s) (768454)
8.00 The Net. A magazine series about computers and the digital world. (Ceefax) (s) (2386)
8.30 Perpetual Motion. In praise of the Airstream Caravan, made of aluminium and nicknamed "the silver bullet" (r). (Ceefax) (s) (1893)

William Hickey as Harlan Hawkes (9.00pm)

9.00 Outer Limits: White Light Fever. Science-fiction thriller starring Bruce Davidson and William Hickey. (Ceefax) (s) (896638)
9.40 The Music Biz: Marketing Meat Loaf. (Ceefax) (s) (352725)
10.30 Newsnight. (Ceefax) (833522)
11.15 Face to Face. The American poet and novelist, *Maya Angelou*
11.55 Weather (124812)
12.00 Open University: Ndebele — Women and Art (9876874) **12.25am** Docklands Light Railway (9580139)
12.50 The Record. *The day in Parliament (s)* (2056503). Ends at **1.20**
4.45 BBC Select: DOH Special — Doing No Harm (r) (69938313) **5.00** Pathways to Care (r) (92665) **5.30-6.00** RCN Nursing Update (r) (51771)

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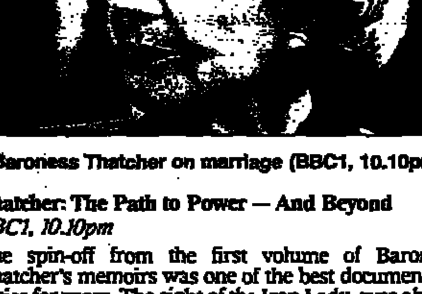
CHOICE



Baroness Thatcher on marriage (BBC1, 10.10pm)

Thatcher: The Path to Power — And Beyond
BBC1, 10.10pm

The spin-off from the first volume of Baroness Thatcher's memoirs was one of the best documentary series for years. The sight of the Iron Lady, eyes ablaze with fury as she denounced those who had opposed and betrayed her, is not easily forgotten. The publication of volume two is marked less ceremoniously by a single interview with Sir David Frost, though the material is still absorbing. It covers the non-Prime Ministerial years, before and after, with recollections of her formidable father, Oxford, marriage, honeymoon, children and the difficulties of combining motherhood with a high-profile career in politics. There is also room for Lady Thatcher's latest thoughts on Europe and John Major.

Short Stories: Terry Pratchett's Jungle Quest
Channel 4, 8.00pm

A casual joke, perpetrated in one of the first *Discworld* books, is the starting point for a trip to the rainforests of Borneo. Pratchett's fantasy, back in 1985, was to turn a librarian into an orang-utan. Librarians congratulated him (so he says) on raising the standards of their profession. He became a trustee of the Orang-Utan Foundation. Now he is off to see them in their natural habitat. Numbers, sadly, are shrinking as the forests are cut down. But Pratchett encounters enough of these near-humans to provide an engaging little film, enlivened by his gift for the memorable phrase. One orang-utan is "a sad heap of deflated inner tubes", while a younger member of the species is described as "a small red demon with a face like a surprised coconut".

The Music Biz: Marketing Meat Loaf
BBC2, 9.40pm

In the 1970s the burly Texan described as the Pavarotti of pop had a huge hit with *Bat Out of Hell*, selling more than 20 million copies. Meat Loaf's career later foundered amid drink and money troubles but by 1993 he was ready for a comeback. The cameras were there to witness it and the result is another revealing insight into the ways of the rock music industry. The challenge for Meat Loaf's record companies, MCA in the United States and Virgin in Britain, was marketing a singer who was overweight, over 40 and thought to be well past his sell-by date. The film follows the making of the promo, the assault on television, radio and the press and Meat Loaf's own efforts in self-publicity.

The Wild West
Channel 4, 9.00pm

Ric Burns ends his impressive series with the Battle of Wounded Knee, presenting it as the climax of the 400-year conflict between the white settlers and the native Americans. If the film adds nothing of substance to a well-worked story, it is rich in atmosphere and emotion. Once again, Burns shows how to make history live without the usual props of archive film and oral testimony. He demonstrates that still photographs are often as effective as moving pictures and he draws powerfully on contemporary writings. Perhaps the programmes have concentrated too much on the Indian wars and too little on other aspects of settlement. But intelligence and integrity have illuminated every episode. Peter Waymark

CARLTON

6.00 GMTV (13183) **9.25 Win, Lose or Draw** with Bob Mills (s) (9381116) **9.55 London Today** (Teletext) and weather (2974454)
10.00 Step by Step *starring Patrick Duffy and Suzanne* Somers (r) (s) (27015)
10.30 This Morning. Weekday magazine (81082560) **12.20 London Today** (Teletext) and weather (1766812)
12.30 News (Teletext) and weather (2228305)
12.55 Home and Away (Teletext) (2203096) **1.25 Coronation Street** (r) (Teletext) (25172096) **1.55 A Country Practice.** Hugo becomes involved with a former prisoner and her young son (s) (35817096)
2.20 Blue Heelers. The travelling magistrate arrives in *town (2595183)* ***3.20 ITN News*** *headlines* (3606102) **3.25 London Today** (Teletext) and weather (3605473)
3.30 Caribou Kitchen (s) (1057928) **3.40 Tots TV** (r) (s) (7296327) **3.50 Scooby Doo** (r) (2049299) **4.15 Hurricanes** (r). (Teletext) (s) (4070638) **4.40 Terror Towers** (Teletext) (s) (8826096)
5.10 After 5 with Su Porter (Teletext) (7121299)
5.40 News *(Teletext) and weather (821270)*
5.55 Your Shout. Members of the public air their views (760676)
6.00 Home and Away (r) (Teletext) (831)
6.30 London Tonight (Teletext) and weather (183)
7.00 Get a Life! Medical magazine with Judy Finnigan and Richard Madeley (1544)
7.30 Coronation Street (Teletext) (367)

Sandra Dickinson is one of the judges (8.00pm)

8.00 Pot of Gold. Des O'Connor is joined by Sandra Dickinson and Barry Cryer. (Teletext) (8657)
9.00 Bramwell. *Period drama series following Eleanor* Bramwell's struggle to become the first female surgeon at the East London Hospital. With Jemma *Redgrave and David Calder (Teletext) (s) (8893)*
10.00 News at Ten (Teletext) and weather (95015)
10.30 London Tonight (Teletext) and weather (745909)
10.40 Sport In Question presented by Ian St John and Jimmy Greaves. With Linford Christie, Chris Eubank and Patrick Collins (s) (316218)
11.40 Hunter. Series about a hard-nosed plainclothes detective and his tough female partner. With Fred *Dryer and Stephanie Kramer (623305)*
12.40 The Twilight Zone. Tales of the supernatural (2053416)
1.10 Best of British Motorsport (7729400)
1.40 Sport AM (6855619)
2.35 Quiz Night. White Hart from Bedfordshire v The Albert from Blackpool (6570771)
3.05 FILM: Casanova's Big Night (1954) starring Bob Hope as the hapless hero who is mistaken for Casanova and hired by a duchess to test the faithfulness of her future daughter-in-law. With Joan Fontaine. Directed by Norman Z. McLeod (5784597)
4.30 The Masters of Beauty (r) (65978023)
4.55 The Time . . . The Place (r) (s) (9560077)
5.30 ITN Morning News (55597). Ends at **6.00**

CHANNEL 4

6.35 The Adventures Of T-Rex (r) (9955893)
7.00 The Big Breakfast (63305)
9.00 You Bet Your Life (r) (s) (72164)
9.30 Schools: The Way Things Go (9748096) **9.45** Ready, Set, Go! (8573560) **10.02** Stage Two Science (8742831) **10.20** Place and People (9596454) **10.40** The English Programme (3233560) **11.05** Encyclopaedia Galactica (2221454) **11.15** Visual World (3282657) **11.30** Film and Video Showcase (4477305) **11.40** Breaking the Mould (9272096)
12.00 Right To Reply (r). (Teletext) (s) (92928)
12.30 Sesame Street. The guest is Rick Moranis (r) (45251) **1.30 Mr Men** followed by **Paddington, The Wombles,** and **Further Tales of the Riverbank** (r) (64047947)
1.55 The Thrill Of It All. Day and night-time action on the country's best white-knuckle rides caught on camera by Scott Campbell (29244183)
2.00 FILM: ***Follow a Star*** *(1959, b/w) starring Norman* Wisdom and Jerry Desmonde. A comedy about an aspiring pop star whose recordings are passed off *as his own by a fading singing star. Directed by* Robert Asher. (Teletext) (8034)
4.00 The Lost Gardens Of Heligan. Trish Williams explores the Cornish gardens. (Teletext) (s) (116)
4.30 Fifteen To One. (Teletext) (s) (980)
5.00 Golden Girls *(r).* (Teletext) (s) (1270)
5.30 The Five Mrs Buchanans. Comedy about four disparate wives who share the same domineering mother-in-law. (Teletext) (s) (560)
6.00 The Cosby Show (r). (Teletext) (473)
6.30 Hangin' With Mr Cooper. Campus comedy. (Teletext) (s) (725)
7.00 Channel 4 News. (Teletext) (329589)
7.55 The Slot. Viewers' video soapbox (658947)

The elusive Borneo orang-utan (8.00pm)

8.00 CHOICE **Short Stories: Terry Pratchett's Jungle Quest** (s) (7454)
8.30 Desmond's. Comedy series (r) (s) (6589)
9.00 CHOICE **The Wild West: 1889-1893 — Ghost Dance.** *(Teletext) (s) (9763)*
10.00 NYPD Blue. New York police drama series. (Teletext) (s) (697560)
10.55 Play Dead. A drama, written and directed by Danny Cannon, about two friends whose closeness is threatened when they both become involved with a nightclub-owning gangster (r) (666725)
11.50 FILM: Good Morning Babylon (1987) starring *Vincent Spano and Joaquim de Almeida. The story* of two brothers who go to Hollywood to work on the set of a silent epic where they fall in love with two *actresses. With Charles Dance, Greta Scacchi and* Desiree Becker. Directed by Paolo and Vittorio Taviani (99581270)
2.00am FILM: Dangerous *(1936, b/w) starring Bette* Davis, in an Oscar-winning role, as an actress on the slippery slope because of drink who is helped back to success by the attentions of a caring architect (Franchot Tone). Directed by Alfred E. Green (2248619). Ends at **3.25**

VARIATIONS

ANGLIA
As London except: 9.55am-10.00 Anglia News (2974454) 12.20pm-12.30 Anglia News (1766812) 12.55 Coronation Street (2203096) 1.25-1.55 Home and Away (25172096) 2.20 Look and Cook (12167299) 2.50-3.20 Blockbusters (6896831) 3.25-3.30 Anglia News and Weather (3605473) 5.10-5.40 Shortland Street (7121299) 6.25-7.00 Anglia Weather followed by Anglia News (749034) 10.30 Anglia News (745909) 10.40 The Road Show (112638) 12.10am Grapevine (9882435) 12.40 Film: The Vulture (Gyorgy Cserhalmi, Heidi Temessy, Zita Perczel) (780619) 2.40 Sport AM (1158416) 3.30 ITV Sport Classics (17856) 4.00 The Time .. The Place (5591049) 4.35 Yan Can Cook (65977394) 5.00 Wanted: Dead or Alive (92619)

CENTRAL
As London except: 2.20 Yan Can Cook (12167299) 2.50-3.20 Blockbusters (6896831) 5.10-5.40 Shortland Street (7121299) 6.25-7.00 Central News and Weather (749034) 11.40 The Motor Show (186638) 12.10am Bodies of Evidence (5121481) 4.30 Jobfinder (4893961) 5.20 Asian Eye (6309665)

GRANADA
As London except: 12.55-1.25 Shortland Street (2203096) 1.25 Home and Away (28094270) 1.50 Murder, She Wrote (5775386) 2.45-3.20 Gardeners' Diary (3569909) 5.10-5.40 A Country Practice (7121299) 6.25-7.00 Granada Tonight (749034) 10.30-10.40-11.40 Granada News (745909) 12.40am-1.10 Coach (2053416) 1.30-4.55 Jobfinder (65978023)

HTV WEST
As London except: 9.55-10.00 HTV West Headlines (2974454) 12.20pm-12.30 HTV West News and Weather (1766812) 12.55 Coronation Street (2203096) 1.25 Home and Away (25172096) 1.55 Gardening Calendar (64024095) 2.25-3.20 Highway to Heaven (5822183) 3.25-3.30 HTV West Headlines (3605473) 5.10-5.40 Movies, Games and Videos (7121299) 6.30-7.00 HTV News (183) 10.30 HTV West Headlines and Weather (745909) 10.40 Spotlight (112638) 1.10 Crime Story (901560) 4.30am Jobfinder (65978023)

HTV WALES
As HTV WEST except: 9.55-10.00 HTV Wales Headlines (2974454) 12.20pm-12.30 HTV Wales News and Weather (1766812) 1.55-2.25 Baby Talk (64024095) 3.25-3.30 HTV Wales News (3605473) 6.30-7.00 HTV Wales News (183) 10.30 HTV Wales News Wales Tonight (183) 10.30 HTV Wales News (745909) 10.40-11.10 Heroes (112638)

MERIDIAN
As London except: 12.55 Coronation Street (2203096) 1.25-1.55 Home and Away (25172096) 2.20-3.20 Father Dowling (2595183) 5.10-5.40 Home and Away (7121299) 6.00 Meridian Tonight (831) 6.30-7.00 The Country Set (183) 10.40 The Road Show (112638) 12.10am The Powers That Be (9882435) 12.40 The Vulture (780619) 2.40 Sport AM (1158416) 3.30 ITV Sport Classics (17856) 4.00 The Time... The Place (5591049) 4.35 Yan Can Cook (65977394) 5.00 Pressscreen (92619)

WESTCOUNTRY
As London except: 9.55-10.00 Westcountry News (2974454) 12.20pm Westcountry News (1775560) 12.25-12.30 My Story (1774831) 12.55 Coronation Street *(2203096) 1.25 Home and Away (25172096)* 1.55 Gardeners' Diary (64024095) 2.25 The Young Doctors (12159270) 3.25-3.30 Westcountry News (3605473) 5.10-5.40 Home and Away (7121299) 6.00-7.00 Westcountry Live (19183) 10.30 Westcountry News; Weather (745909) 10.40 *Special Report* (112638) 12.10am Urban Angel (5121481) 4.30 Jobfinder (65978023)

YORKSHIRE
As London except: 12.55 Coronation Street (2203096) 1.25-1.55 Home and Away (25172096) 2.20 Dogs with Dunbar *(12167299)* 2.50 Help Yourself (9485560) 2.55-3.20 Shortland Street (1968560) 5.10-5.40 Home and Away (7121299) 5.55 Calendar (369229) 6.30-7.00 One Summer in Bronte Country (183) 10.30 Calendar News and Weather (745909) 10.40 Stranger than Fiction (112638) 11.10 Prisoner Cell Block H (258880) 1.05am *Too Many Lovers* (589868) 3.00 The New Music (5588684) 3.55 Disaster Chronicles (19804394) 4.20 *Jobfinder* (9288348)

S4C
Starts: 7.00 The Big Breakfast (63305) 9.00 You Bet Your Life (72164) 9.30 Yagolion (400219) 12.00pm Right To Reply (92928) 12.30 The Magic Roundabout (82034) 1.00 *Siol Maithrin: Caffi Sali Mali* (93164) 1.30 All That Glitters (31895) 2.00 High Sierra (253454) 3.55 Sign On (6661367) 4.30 Ouids in (1402522) 4.45 Robbo's Modern Life (1430305) 5.00 5 Pump: Mallwyn (4131299) 5.10 5 Pumpc Sbodiwd (8566909) 5.30 Fifteen To One (980) 6.00 Newyddion (479812) 6.15 Heno (479783) 7.00 Pobol Y Cwm (1934) 7.30 Y Byd Ar Bedwar (909) 8.00 Realo (7454) 8.30 Newyddion (6689) 9.00 NYPD Blue (453812) 9.55 Sgorio (174928) 10.55 Roseanne (109184) 11.25 Friends (492305) 11.50 The Gunfighter (988560)

SATELLITE

SKY ONE
6.00am The DJ Kat Show (20657) 8.00 The Mighty Morphin Power Rangers (40589) 8.30 Blockbusters (32560) 9.00 The Oprah Winfrey Show (59909) 10.00 Concentration (47893) 10.30 Card Sharks (29095) 11.00 Sally Jessy Raphael (84812) 12.00 The Urban Peasant (43676) 12.30pm Designing *Women* (52812) 1.00 *The Waltons* (57367) 2.00 Matlock (48522) 3.00 The Oprah Winfrey Show (5530638) 3.50 The DJ Kat Show (9522270) 4.30 The Mighty Morphin Power Rangers (9928) 5.00 Beverly Hills, 90210 (3893) 6.00 Spellbound (7913) 6.30 Family Ties (4473) 7.00 Rescue (4522) 7.30 M*A*S*H (9137) 8.00 Hawkeye (67522) 9.00 Fire (39526) 10.00 Quantum Leap (58283) 11.00 David Letterman (812102) 11.50 LA Law (409812) 12.45am The *Untouchables* (2438110) 1.30 *In Living Color* (87394) 2.00-6.00 Hit Mix (7294023)

SKY NEWS
News on the hour
6.00am Sunrise (5099302) 9.30 The Trial of O.J. Simpson (8671909) 10.10 CBS 60 Minutes (90138116) 1.30pm CBS News (85831) 2.30 Parliament Live (22387) 4.00 Newsfeed Business (76928) 5.00 Live at Five (2378541) 8.05 Littlejohn (30017763) 8.30 O.J. Simpson (7144744) 12.30am CBS News (5239400) 1.10 Littlejohn Replay (8544597) 2.30 Parliament Replay (84752) 4.30 CBS News (12023) 5.30-6.00 ABC News (97597)

SKY MOVIES
6.00am Showcase (7598589) 10.00 Babe Ruth (1991) (63929) 12.00 A Whale for the *Killing — Part One* (1981) (52725) 2.00pm Eleven Harrowhouse (1974) (91725) 4.00 Agatha Christie's Sparkling Cyanide (1983) (8725) 6.00 Babe Ruth (1991): As 10am (11589) 8.00 The Bodyguard (1992) (57111251) 10.10 Blind Side (1993) (855980) 11.50 Tobe Hooper's Night Terrors (1993) (263218) 1.30 Roommates (1995) (83023) 3.00 Midnight Heat (1993) (54226) 4.30-6.00 Eleven Harrowhouse *(1974): As 2pm* (13706)

SKY MOVIES GOLD
2.00pm Baby Talk (7034) 2.30 Murphy Brown (4676) 3.00 Falcon Crest (33251) 4.00 The Magnificent Ambersons (1942) (7687) 6.00 Tall In the Saddle (1944) (77183) 8.00 Giant (1956) (32741386) 11.15-2.00am Bob and Carol and Ted and Alice (1969) (40949947)

THE MOVIE CHANNEL
6.00am Never a Dull Moment (1950) (13357) 8.00 Sinbad: Cartoon (21763) 9.00 White Fang (1993): Animated version (75947) 10.00 Star of Midnight (1935) (54270) 12.00 The Treasure of Swamp Castle (1987) (50367) 2.00pm Tender Mercies (1982) (99367) 4.00 Sinbad: As 8am (81096) 5.00 White Fang (1993): As 9am (3954164) 5.35 Stolen Babies (1993) (66706589) 7.30 UK Top Ten (3367) 8.00 Lorenzo's Oil (1992) (73570034) 10.15 Seventh Floor (1993) (676473) 12.00 One Woman's Courage (1993) (325706) 1.35am The Last Hit (1993) (290941) 3.10 29th Street (1991) (605938) 4.50-6.00 Rob Roy: Animation (4129961)

● For more film information, see the Vision supplement, published Saturday

SKY SPORTS
7.00am Max Out (30015) 7.30 Challenge Football (71589) 9.30 Aerobics Oz Style (81763) 10.00 Windsurfing (81251) 10.30 Australian Rugby League, Live: New South Wales v Queensland (559183) 1.00pm WWF Mania (80034) 2.00 ATP Tennis, Live (4837454) 6.00 The Winning Post, Live (48657) 8.00 Cricket Highlights (43102) 10.00 ATP Tennis Highlights (69541) 11.30 Australian Rugby League (90270) 1.30-2.00am NBA Action (29348)

EUROSPORT
7.30am Golf (13102) 8.30 Basketball (816980) 11.00 Formula 1 (20638) 12.00 Motorcycling (66454) 1.00pm Indycar (81522) 2.30 Tennis (88744) 3.30 Darts (50270) 4.30 Motorcycling (15912) 5.30 Formula 1 (86522) 6.30 Eurosport News (3541) 7.00 Speedworld (45947) 9.00 Boxing (54218) 10.00 Football (57305) 11.00 Eurogolf (34831) 12.00-12.30am Eurosport News (29110)

SKY SOAP
8.00am Loving (8397299) 8.30 Peyton Place (8389270) 9.00 As the World Turns (6611034) 10.00 Guiding Light (7128198) 11.00-12.00 Another World (6778657))

SKY TRAVEL
12.00 Video Trips (8390386) 12.30pm Arizona (5544270) 1.00 Ticket to Paradise Aspen (9128378) 1.30 The Spice of Life: Mustard (5643541) 2.00 Getaway (5409528) 2.30 On Top of the World (2550102) 3.00 To *the Ends of the Earth* (3827270) 4.00 Sky Travel Guide (2541454) 4.30 Wide World of Kids (2547638) 5.00 Trailside (5483980) 5.30 Around the World in 30 Minutes (2561218) 6.00 On Top of the World (2551831) 6.30 American Vacation (4192812) 7.30 Getaway (2548367) 8.00 Around the World in *30 Minutes* (5489164) 8.30 Sky Travel Guide (5408299) 9.00 Globetrotter (3842589) 9.30 American Vacation (8566251) 10.30 Trailside (8300763) 11.00 American Trail (3847034) 11.30-12.00 Round Trip (3477541)

The Magnificent Ambersons
(Sky Movies Gold, 4pm)

TLC
9.00am Painting (5278947) 9.30 Simply Delicious (9247812) 10.00 Running Repairs (8872096) 10.30 Life Stories (5258831) 11.00 Only Human (9651831) 12.00 Discovering Psychology (9260763) 1.00pm Simply Delicious (9662947) 1.30 Painting (9257239) 2.00 Jimmy's (4422299) 2.30 Men in a Woman's World (3970305) 3.00 Cyril Fletcher's Television Garden (4434034) 3.30-4.00 Running Repairs (3942522)

UK GOLD
7.00am Great Expectations (9665034) 7.30 Neighbours (3644541) 8.00 Sons and Daughters (5258454) 8.30 EastEnders (5257725) 9.00 The Bill (5271305) 9.30 Paul Temple (7571270) 10.30 Juliet Bravo (18501560) 11.35 Going for Gold (63373473) 12.00 Sons and Daughters (5251541) 12.30pm Neighbours (9250386) *1.00 EastEnders* (9664305) *1.30 The Bill* (9259657) 2.00 Spring and Autumn (4424657) 2.30 My Wife Next Door (3972763) 3.00 Knots Landing (6992831) 4.00 Dallas (6988638) 5.00 Every Second Counts (8967299) 5.35 Dick Emery (8785676) 5.50 Hi-De-Hi (9577102) 6.30 EastEnders (3964744) 7.00 Secret Army (1582613) 8.10 Naked Video (1200928) 8.25 FILM: Carry On Abroad (1972). Sid James and Barbara Windsor holiday in Spain *(17143812) 10.00 The Bill (5252270)* 10.30 Top of the Pops (6061893) 11.25 Alas Smith and Jones (4087744) 12.05am Dr Who (5008110) 12.35 FILM. The League of Gentlemen (1960): Jack Hawkins plans a bank robbery (3395771) 2.30 Shopping at Night (7474313)

THE CHILDREN'S CHANNEL
6.00am Sesame (18102) 7.00 Sonic (63164) 7.30 Creepy Crawlers (82299) 8.00 Degrassi (86744) 8.30 Super Mario Brothers (5490218) 8.45 Casper (5488473) 9.00 Sesame (39183) 10.00 Tiny TCC (94251) 12.00 *Madeline* (88631) 12.30pm Tiny TCC (29299) 2.30 Barney (7522) 3.00 Dinobabies (9015) 3.30 Sonic the Hedgehog (3367) 4.00 California Dreams (1102) 4.30-5.00 Heartbreak High (7386)

NICKELODEON
7.00am Nickelalive! Including Deep Sea Dick (5530218) 7.15 The Magic School Bus (749831) 7.45 Rugrats (748102) 8.15 Doug *(840034) 8.45 Nickalive!* (3623657) 9.00 Nick Junior (512812) 12.00 Denver the Last Dinosaur (21893) 12.30pm Pee-Wee (50893) 1.00 Smoggies (37928) 1.30 Grimmy (59164) 2.00 Alvin and the Chipmunks (4164) 2.30 Galaxy High School (4034) 3.00 Dungeons and Dragons (3299) *3.30 Rude Dog and the Dweebs* (6251) 4.00 The Secret World of Alex Mack (5386) 4.30 Rugrats (4270) 5.00 Clarissa (8744) 5.30 *Pete and Pete* (5622) 6.00 Doug (5763) 6.30-7.00 Odyssey (6015)

DISCOVERY
4.00pm The Global Family (3961657) 4.30 Crawl into My Parlour (3950541) 5.00 Fire! (4406251) 5.30 Spirit of Survival (3941893) 6.00 Invention (7818560) 6.35 Beyond 2000 (8129522) 7.30 Skybound (3951270) 8.00 Moon Shot (5877560) 9.00 The Nature of Things (5664096) 10.00 Classic Wheels (5667183) 11.00-12.00 Navy Seals — Warriors of the Night (9649096)

BRAVO
12.00 FILM. Mine Own Executioner (1948): Schizophrenic war veteran Burgess Meredith fails to respond to treatment (8889386) *2.00pm The Avengers* (8860251) 3.00 The Adventures of Robin Hood (4421560) 3.30 Hogan's Heroes (3979676) 4.00 FILM: Gorilla at Large (1954): Anne Bancroft in an amusement park murder mystery (6184812) 5.30 Drama Classics. The Impractical Joker. With Jack Lemmon (3978947) 6.00 Death Valley Days (3968560) 6.30 Man in a Suitcase (5031251) 7.30 The Adventures of Robin Hood (3955096) 8.00 The Avengers (5571386) 9.00 The New Avengers (5651522) 10.00 FILM. Keep It Up Downstairs (1976): Bawdy farce with Diana Dors and Willie Rushton (9688386) 11.45-12.00 Muffin the Mule (2344386)

UK LIVING
6.00am Agony Hour (6811560) 7.00 Living *Magazine* (6728947) *9.00 On the House* (3410589) 9.30 Kate and Allie (6869947) 10.05 The Treatment (5670657) 10.35 The Susan Powter Show (87605744) 11.00 The Young and the Restless (9786096) 11.55 The Simple Programme 12.00 Kilroy (1819034) 12.55pm Masterchef (8256522) *1.30 The New Mr and Mrs Show* (3169367) 2.00 Agony Hour (6032367) 3.00 Living Magazine (3718812) 4.00 Infatuation (7586367) 4.30 Crosswits (2426473) 5.05 The Joker's Wild (59969909) 5.30 The Reluctant Cook (8354893) 6.05 The Susan Powter Show (8032560) 6.30 Brookside *(8145015) 7.05 Crosswits (5922676)* 7.35 The Joker's Wild (3593725) 8.00 The Young and the Restless (3146980) 8.55 The Simple Programme 9.00 FILM: Happy Endings (1983). Romantic drama (4747294) 11.00 Brookside (3738676) 11.30-12.00 Infatuation UK (6020522)

FAMILY CHANNEL
5.00pm Adventures of Tintin (4560) 5.30 Teen Win, Lose or Draw (8638) 6.00 My Two Dads (8251) 6.30 Catchphrase (2831) 7.00 The Pyramid Game (1096) 7.30 Road to Avonlea (71544) 8.30 Home to Roost (9251) 9.00 Neon Rider (61522) 10.00 Trivial Pursuit (80560) 10.30 Adventures of Tintin (66560) *11.00 Lou Grant (72812) 12.00 Zorro* (81110) 12.30am Evening Shade (22787) 1.00 Trivial Pursuit (28145) 1.30 Rhoda (61348) 2.00 Neon Rider (23969) 3.00 Lou Grant (35232) 4.00 Rhoda (15706) 4.30-5.00 Zorro (36110)

MTV
5.00pm Awake on the Wildside (57428) 6.30 The Grind (45270) 7.00 3 from 1 (7213638) 7.15 Awake on the Wildside (2417744) 8.00 VJ Ingo (426541) 11.00 Soul (93305) 12.00 Greatest Hits (87116) 1.00pm The Afternoon Mix (15744) 2.00 3 from 1 (25253469) 2.15 Afternoon Mix (3627251) 3.00 Cinematic (1402034) 3.15 Afternoon Mix (3170305) 4.00 News (8497183) 4.15 Afternoon Mix (8410034) 4.30 Dial MTV (9744) 5.00 Hit List UK (79454) 7.00 Greatest Hits (85386) 9.00 *Real World 1* (56102) 9.30 Beavis and Butthead (87675) 10.00 News (416744) 10.15 Cinematic (411299) 10.30 First Look (75638) 11.00 The End? (78305) 12.30am The Grind (24145) 1.00 Soul (84348) 2.00 Night Videos (7943665)

VH-1
7.00am Power Breakfast (8068249) 9.00 Café (2574198) 12.00 The Bridge (5565763) 1.00pm Ten of the Best (5541183) 2.00 Heart and Soul (3481744) 3.00 Into the Music (2192812) 6.00 VH-1-2-3 (4702831) 6.15 Prime Cuts (4707386) 6.30 Stevie Wonder (2544541) 7.00 VH-1 to You (4319693) 8.00 Album (4339657) 10.00 Bridge (4318164) 11.00 The Nightfly (4381638) 1.00pm Ten of the Best (8540868) 2.00 *Dawn Patrol*

CMT EUROPE
Country music from 6am to 7pm, inc 5.00pm Saturday Nite Dance Ranch 6.00 Big Ticket

ZEE TV
7.00am Alif Laila (61688251) 7.30 Kya Scene Hai (61607386) 8.00 Asian Morning (56071560) 9.00 Newsearch (35472657) 9.30 Urdu Serial (10192638) 10.00 Public Demand (61896270) 11.00 Andaz (68566763) 11.30 Film Chakker (66534164) 12.00 Campus (25577201) 12.30pm Khubsoorat (10196454) 1.00 Hindi FILM (80887386) 4.00 Griti (68557015) 5.00 Junglee Toofan (74276876) 5.30 Song Tere Naam Se (94907812) 6.00 Vin Na Chamke Motra (94904725) 6.30 Campus 7.00 Galaxee (74256812) 7.30 Parampara (94924589) 8.00 Zee TV and U (74285560) 8.30 Love Stories (74251367) 9.00-12.00 Hindi FILM (63011386)

CARTOON NETWORK/TNT
Continuous cartoons from 5am to 7pm, then TNT films as below.
7.00pm The Two Mrs Carrolls (1945) *(83312560)* 9.00 HM Pulham, Esq (1940) (12852034) 11.15 Men of Boys Town (1941) (37404744) 1.05am Men Are Such Fools (1938) (16816752) 2.15 Men in White (1934) (43078868) 3.35-5.00 Murder Men (1961) (85989619)

CNN/QVC
CNN provides 24-hour news and QVC is the home shopping channel

GREENBURY CHOICE 46
BRITISH GAS SEEN AS BEST PRACTICE ON PAY

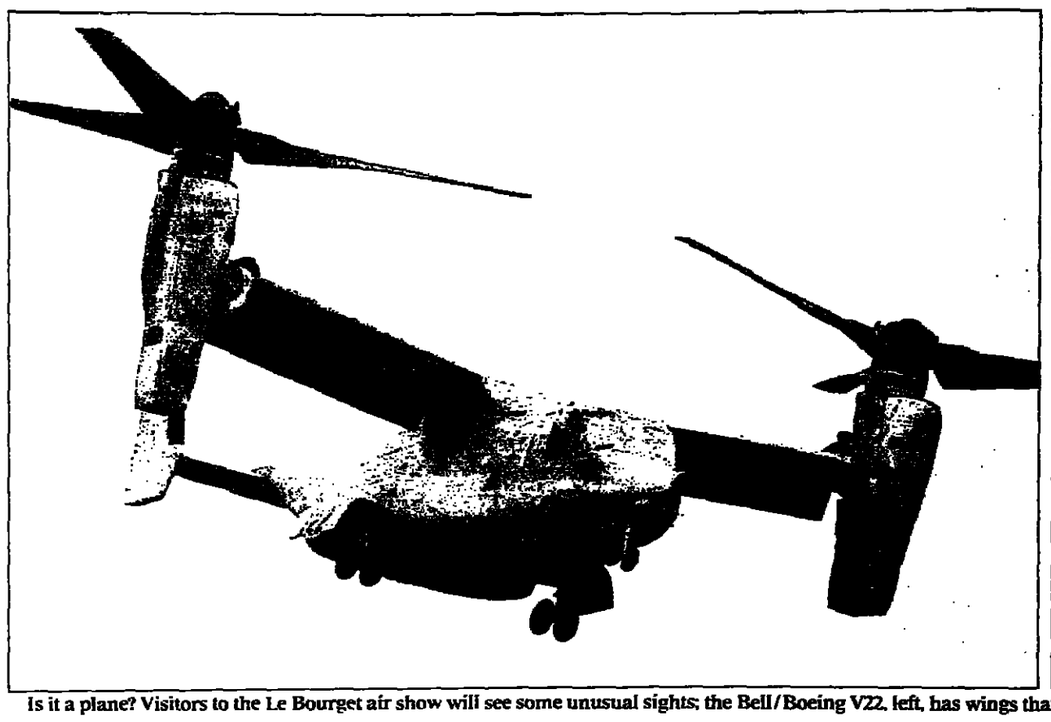
BUSINESS

POWER DEALS 45
RUSSIANS MOUNT NUCLEAR EXPORT DRIVE

MONDAY JUNE 12 1995

BUSINESS EDITOR LINDSAY COOK

PICTURES BY FREDERICK FLORIN AND PASCAL ROSSIGNOL



Is it a plane? Visitors to the Le Bourget air show will see some unusual sights; the Bell/Boeing V22, left, has wings that tilt for vertical take-off, while the Airbus Beluga is designed to carry Airbus wings to its assembly plant in Toulouse

Lotus agrees $3.5bn bid from IBM

By Eric Reguly

IBM's hostile bid for Lotus *Development Corp, one of* America's three largest makers of software for personal computers, turned friendly last night when Big Blue sweetened its offer.

Lotus agreed to accept an *offer of $64 a share from IBM*, up from an opening bid of $60, for all of Lotus's 55 million outstanding shares. The new bid values the company at $3.5 billion. Louis Gerstner, IBM's chairman, said: "Lotus will be a very critical part of IBM's growth strategy."

There is still some chance that a rival bid will emerge. But the likelihood appears slim. The logical suitor, AT&T, America's largest long-distance phone company, has said it is not interested, even though it has a strong commercial relationship with *Lotus*.

It seems that IBM will inherit Lotus largely intact. Jim Manzi has agreed to remain as Lotus's chief executive and will become an executive vice-president of IBM. Perhaps more importantly, Ray Ozzie, the creator of Notes, Lotus's most important software, will stay with the company. Analysts feared losing Mr Ozzie above all. Mr Manzi said: "Ray is fully committed; he's on board."

Mr Ozzie is working on the *fourth version of Notes*, a revolutionary programme that allows workers in different offices to work on the same document at the same time. Notes will help personal computers evolve into their new role of "talking" to each other.

Mr Manzi agreed to back *IBM after receiving assurances* that Lotus will be able to retain much, or even most, of its independence. The Lotus name will remain, as will the incentive programmes for the top executives.

IBM said that Lotus will be run as a separate company. "There is no intention of moving anything from Lotus to IBM," Mr Gerstner said. "The movement will go the other way."

Mr Manzi said that Lotus will benefit from IBM's enor*mous worldwide sales force*, which could give a significant boost to the sale of Notes and older products such as Lotus 1-2-3, the spreadsheet software that made Lotus's fortunes in the 1980s. Analysts said that Notes is the engine of growth at Lotus. Sales of some of its other products, including 1-2-3, have been slowing and Lotus has been losing money.

The IBM-Lotus merger is a potential blow to Bill Gates's Microsoft, the world's biggest software producer. Microsoft *has lagged behind in the* development of Microsoft Exchange, its competitor to Notes. The long-delayed software is not likely to appear before next year.

Mr Gerstner said he did not expect any problems from the Government's anti-trust watchdog. Microsoft did not bid for Lotus because its Windows programme already dominates the market for personal computer software.

Lotus position, page 45

PARIS AIR SHOW

Evans puts VSEL decision on hold

DICK EVANS, chief executive *of British Aerospace, said that* he does not know whether it will stay in the fight to buy VSEL, the shipbuilder, in the wake of the strong bid from GEC, its rival suitor. Few institutional investors are en*couraging BAe to raise its bid* (Ross Tieman writes).

BAe will not decide whether to revise its £660 million share-swap offer for VSEL until after the Paris air show. GEC stunned VSEL with an £21.50-a-share cash offer, worth £835 million, last Thursday.

Mr Evans said that BAe is concentrating on winning orders at the air show. "When we have had a chance to look at the details of the [GEC] offer, we will make an appropriate response," he said. "Ac*quiring VSEL is not a* necessity for us ... For us, VSEL is a growth opportunity. For GEC, it is a 'must', which is clearly reflected in what GEC is prepared to pay."

Analysts believe that BAe could use its tax losses to bid as much as £23 a share for *VSEL without diluting its own* earnings per share.

However, BAe's effort to expand its role as Britain's leading prime contractor to the Ministry of Defence was widely seen as opportunistic. Since *the first bid, recommended by* the VSEL board, was made last autumn, the company has partially realised its aim of becoming a ship contractor. Its systems joint venture, BAe-Sema, has secured a £40 million contract for an ocean survey ship, to be built under sub*contract by Appledore. BAe has* also re-inforced its balance sheet with proceeds of two well-conducted rights issues.

BAe is also trying to broaden its prime contractorship into helicopters and missiles.

BAe joins with Saab to sell new warplane

By Ross Tieman, industrial correspondent, in Paris

BRITISH AEROSPACE will *today complete a link with* Saab of Sweden to produce and sell the newly developed Saab JAS39 "Gripen" fighter-bomber in export markets.

The agreement comes just 48 hours after BAe announced *plans to deepen its collabor*ation with Eurocopter, the Franco-German helicopter company, by participating as a commercial partner in the NH90 tactical transport helicopter programme.

The deals are part of a wider plan by BAe, already Britain's *leading supplier of military* aircraft, to become the dominant prime contractor, capable of supplying military systems including fighter planes, helicopters and war*ships to both UK and over*seas governments.

Collaboration with Saab is clearly designed to close a dangerous gap in BAe's warplane portfolio between the Hawk, the best-selling jet trainer, and the Eurofighter, the four-nation project still under development.

BAe fears the twin-engined Eurofighter will prove too costly for all but its richest export customers. The cheaper, single-engined Gripen will compete in a market that is *likely to be dominated by* second-hand F16 fighters being offered for sale by America. But BAe, which developed the Gripen wings, hopes the more cost-effective *plane may prove a winner.*

Efforts to rationalise the heavily loss-making regional aircraft industry continue to be frustrated by the determination of Daimler-Benz Aerospace (Dasa) to lead the programme to develop a next-generation regional jet. Daim*ler-Benz is determined that* Fokker, its Dutch regional jet subsidiary, and Dornier, Dasa's turbo-prop maker, were both central to any deal. Manfred Bischoff, the chairman of Daimler-Benz, said: *"Our primary concern is to* look at joint ventures. If this does not prove to be successful we are ready and willing to develop other negotiations."

His combative stance has lead Dasa to negotiate in competition with Aerospatiale of France (which has teamed with BAe and Alenia of Italy to develop and market regional aircraft) in a "beauty parade" being conducted by China and South Korea for partners to develop a new regional jet.

Louis Gallois, chairman of *Aerospatiale, has given warn*ing that unless the Europeans get together, he fears they will lose out to Boeing, their American arch-rival.

Boeing recaptures bestseller crown

From Our Industrial Correspondent

BOEING has recaptured its crown as the world's best-*selling aircraft maker.* The American group, which was narrowly pushed into second place last year by Airbus Industrie, is now outselling the European consortium by more than four to one.

Boeing yesterday announced orders worth $480 million for 12 small twin-jets at the French airshow at Le Bourget airport. Ron Woodard, president of Boeing, said the 12 orders for the 737-800, the newest version of Boeing's smallest jet, *would bring total orders this* year to 110. Airbus has booked just 25 firm orders in the first five months, although it is expected to announce a new contract today.

Eight of the 737s will be bought by Air Europa, two by Lauda Air, and two by a *Belgian carrier. Deliveries to* each airline will start in 1998.

News of the Boeing orders added new bitterness to the vitriolic relationship between the two leaders of the world civil aerospace industry.

Although arguments over the amount of state subsidy each enjoyed have ended in stalemate, the rivals now trade attacks over the performance of their aircraft. Tension has been exacerbated by the weakness of the dollar — which gives Boeing a cost *advantage — and the growing* success of Airbus in winning orders from more independent carriers, including profitable airlines, such as Singapore Airlines and Cathay Pacific.

Clarke at odds with the Bank

By Janet Bush

KENNETH CLARKE, the Chancellor, will not accept the Bank of England's preferred measure of inflation when the Government *announces its new inflation* target, probably in Wednesday's Mansion House speech.

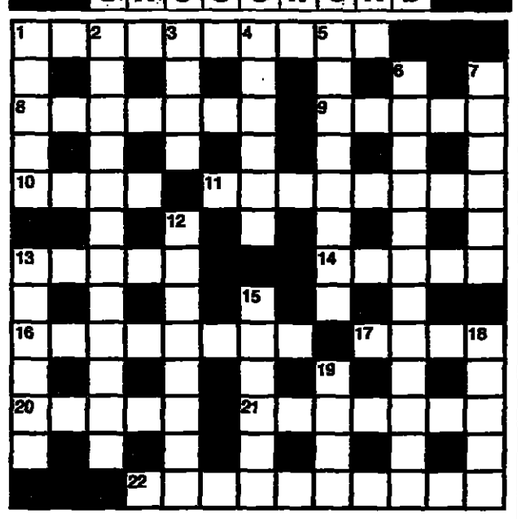
Inflation targets were discussed by Mr Clarke and Eddie George, Governor of the Bank of England, at their monetary *meeting on Wednesday.* But the Chancellor concluded that the existing measure, called RPIX is more credible than RPIY, which excludes indirect taxes as well as mortgage *interest payments.*

Mr Clarke is believed to be particularly sensitive to charges of moving the goalposts of policy. This may well persuade him to stay close to the current inflation band of *1 to 4* per cent rather than move to a *0 to 3 per cent range.*

Little has been heard of the third part of the policy, developed after sterling left the ERM in 1992, which was to achieve 2 per cent inflation or less in the *medium term. The Chan*cellor could revive this.

Early warning, page 45

TIMES TWO CROSSWORD



No 493

ACROSS
1 Assuming command (6,4)
8 Response to stimulation (7)
9 Tall plumed military hat (5)
10 Bird; flying toy (4)
11 Innocuous (8)
13 Perfect (5)
14 Boundary (5)
16 Potential customer; view (8)
17 One despising supposed inferiors (4)
20 Comfort; cry approvingly (5)
21 Execrated (7)
22 Mark showing omission (10)

DOWN
1 Express gratitude (5)
2 Be familiar with (routine) (4,3,5)
3 Head; monster loch (4)
4 Out (of library) (2,4)
5 Outfit; supporting players (8)
6 Marketing skill (12)
7 Pamper (6)
12 Pretentious talk, nonsense (8)
13 Collision; impression (6)
15 Race between single oarsmen (6)
18 Move (reluctantly) (5)
19 Catherine —, Henry VIII's widow (4)

SOLUTION TO NO 492
ACROSS: 1 Patois 4 Spigot 8 Reef 9 Overture 10 Sassenach 13 Muddy 15 Twine 16 Baste 18 Righteous 21 Ave Maria 22 Lair 23 Splint 24 Hearty
DOWN: 1 Peruse 2 The Ashes 3 Swoon 5 Parchment 6 Glum 7 Treaty 11 Entertain 12 Aping 14 Dinosaur 16 Bypass 17 Astray 19 Heath 20 Deal

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Jaguar exports roar ahead

By Kevin Eason, motoring editor

AMERICAN buyers have paid more than $400 million for Jaguar cars so far this year as worldwide sales roar ahead by more than 40 per cent. Nick Scheele, Jaguar's chairman, *said that the company had* had its best sales figures for eight years as it finally recovered from its mauling during the recession.

In the first five months of 1995, 77 per cent of Jaguar production has been sold abroad, with exports of 13,166 cars to 60 markets. America remained comfortably the biggest market, but sales in Germany were up 74 per cent, to 1,002, and sales to Japan rose by 70 per cent, to 963. Sales have doubled in Italy, and total exports to Europe *are up by 57 per cent this year.*

Output from the Browns Lane factory in Coventry is expected to beat the 40,000 target set by Jaguar executives at the start of the year, representing a big rise from the 32,000 production figure of 1994.

The increases come after the launch of Jaguar's *XJ* range, which has been widely praised and was declared the "most beautiful car in the world" by a team of judges in Italy.

Executives are now confident that Ford, Jaguar's parent since 1989, will give approval for a new, smaller Jaguar to be built in Britain, potentially bringing £500 million of investment and 1,000 jobs to the West Midlands.

Mr Scheele said: "We have made immense strides since the start of the 1990s, when our sales halved and the going around the world was extremely tough indeed."

Scheele: big progress

Fault on the small business line

By Graham Searjeant

THIS morning, BT managers should be a little less paranoid. The despairing telephone company, frustrated that it was not getting across the message that its call rates were getting cheaper, commis*sioned an NOP poll of small business* folk to see what they actually thought its charges were. The results are both alarming and reassuring.

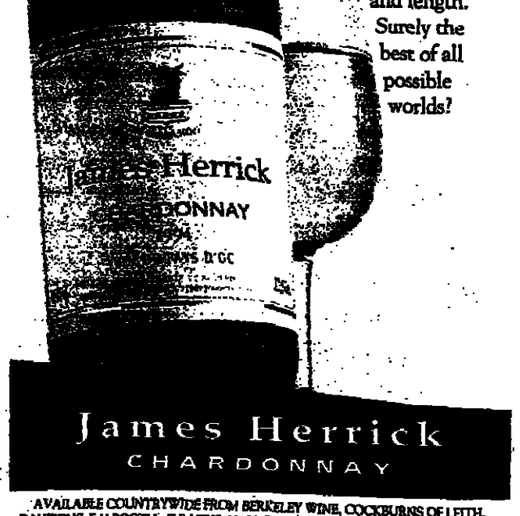
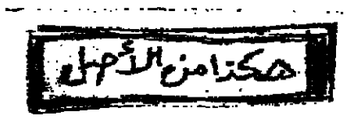
True, the survey reveals almost universal ignorance. The average of 600 people asked (by phone, naturally) thought BT charges had risen and that a three-minute long-distance call cost four times the actual 30p. But owners, partners and directors hadn't a clue about other business costs either. Two out of five would not hazard a guess at bank base rates. Of those that did, fewer than half got the answer roughly right, and the odd carpet-chewer ventured as high as 25 per *cent or as low as 0.4 per cent.*

Perhaps they were pre-occupied with day-to-day *items? Sadly not. Most greatly* underestimated the cost of office equipment, with only 7 per cent knowing the cost of stationery, just 6 per cent the price range for an ordinary fax machine and a tiny 1 per cent being *au fait* with the cost of a mid-range copier. A third could not place the cost of a temporary secretary between £6 and £12 an hour. More needed an accountant to tell them how much an accountant charges.

No wonder new businesses have such a high failure rate. According to the survey, however, nine out of ten businessmen did know the price of a pint of beer, though the "correct" answer, a wide-*ranging £1.30 to £2, left little scope for* error. More suspiciously, almost half correctly named the price of *The Sun*. For some reason, NOP did not ask the price of *The Times* (which is lower), reinforcing the impression that it was simply surveying the wrong people.

Champagne, the Barossa, Napa Valley. Yes, James Herrick knows Chardonnay.

By common consent, the finest Chardonnay comes not from one country, but three. James Herrick has spent half a lifetime learning from French, Australian and Californian wine-masters - how well you can taste in the rich, distinctive Chardonnay he makes with his own grapes, in his own vineyards in the South of France. Wine with Australian freshness, Californian spice and fruit, and true French elegance and length. Surely the best of all possible worlds?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